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FINAL FOLLOW-ON INVESTIGATION REPORT FOR THE BUILDING 172 STUDY AREA OF THE SURPLUS OPERABLE UNIT FOR FORT SHERIDAN, ILLINOIS

October 14, 1998

Prepared for:

U.S. ARMY ENVIRONMENTAL CENTER
Base Closure Division
Aberdeen Proving Ground, Maryland 21010-5401

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This document was prepared for the Building 172 (B172) study area of the Surplus Operable Unit (OU), Fort Sheridan, Illinois. This document presents the Army's determination that No Further Response Action is necessary for the B172 study area. The risk analysis determined that no unacceptable potential human health or ecological risks are associated with the B172 study area. Therefore, No Further Response Action is necessary at the study area for the protection of human health and the environment. This document explains the factual and legal basis for the determination that No Further Response Action is necessary for the B172 study area. The information supporting this No Further Response Action decision is contained the Administrative Record for the Surplus OU.

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U.S. Army Environmental Center
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Aberdeen Proving Ground, Maryland 21010-5401

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October 14, 1998

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Table of Contents

Table of Contents (continued)

List of Tables

List of Figures

List of Appendices

Table of Contents (continued)

List of Acronyms and Abbreviations

ANL	Argonne National Laboratory
B172	Building 172
BCT	BRAC Cleanup Team
BRA	Baseline Risk Assessment
BRAC	Base Realignment and Closure
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CERFA	Community Environmental Response Facilitation Act
CFR	Code of Federal Regulations
COI	constituent of interest
CSA	Coal Storage Area
DD	Decision Document
DER	Data Evaluation Report
DoD	Department of Defense
ft-bgs	feet below ground surface
IDW	investigation derived waste
IEPA	Illinois Environmental Protection Agency
IRDMIS	Installation Restoration Data Management Information System
LAW	Law Engineering and Environmental Services, Inc.
LCFPD	Lake County Forest Preserve District
MDL	method detection limit
mg/kg	milligrams per kilogram
NCP	National Contingency Plan
OQAPP	Overall Quality Assurance Project Plan
OU	Operable Unit
PCBs	polychlorinated biphenyls
POL	petroleum, oils, and lubricants
RI/FS	Remedial Investigation/Feasibility Study
SAP	Sampling and Analysis Plan
SARA	Superfund Amendments and Reauthorization Act
TEP	Technical Evaluation Plan
USEPA	U.S. Environmental Protection Agency

1.0 Introduction

Fort Sheridan lies along the western shore of Lake Michigan and is bounded by the towns of Highwood to the west, Highland Park to the south, and Lake Forest to the north. Fort Sheridan covers an area of approximately 712 acres. The land occupied by Fort Sheridan is approximately 50 feet above Lake Michigan. The topography is relatively flat and gently sloping toward Lake Michigan. The lake side of the installation terminates in a bluff or embankment which extends the full length of the boundary and beyond.

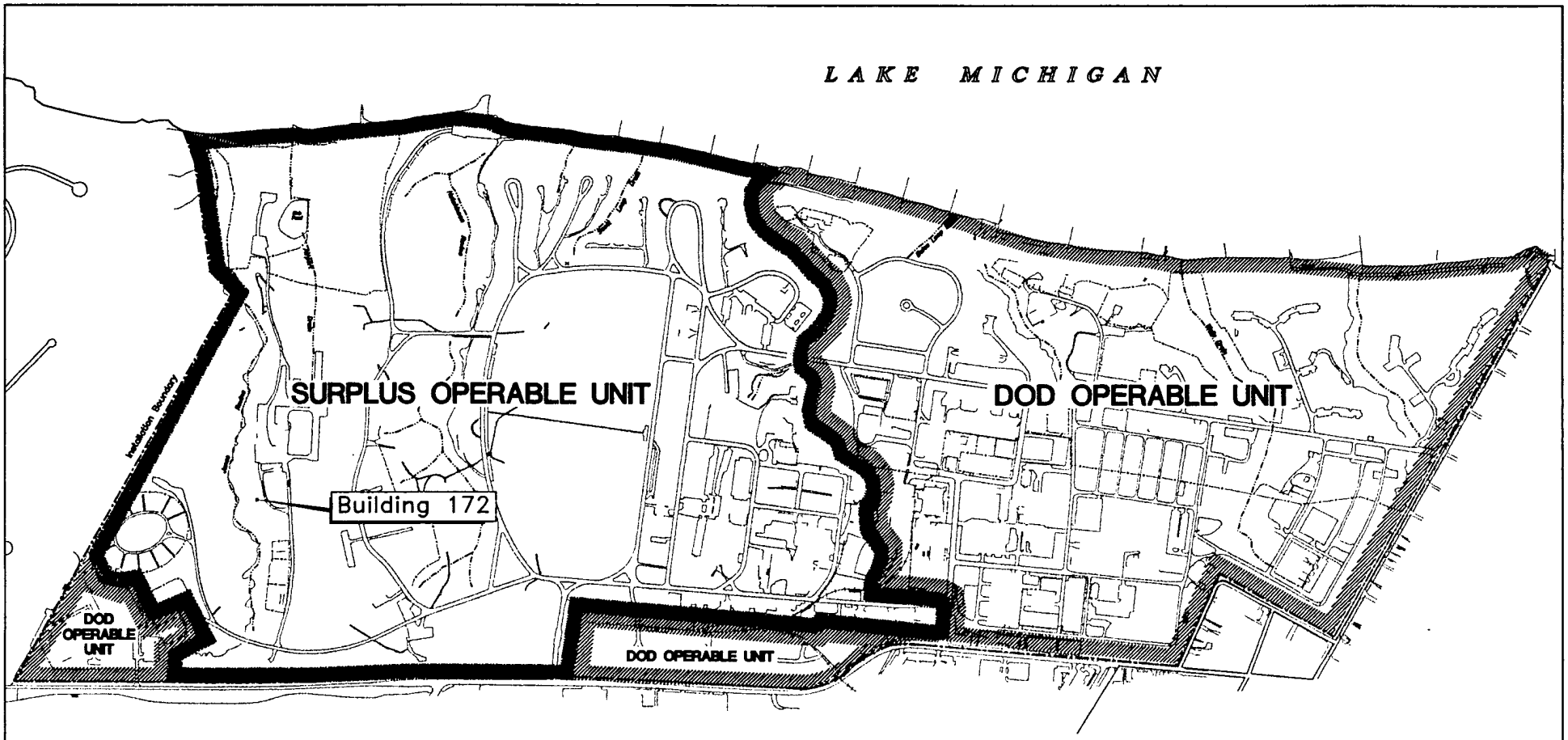
Building 172 (B172) is located along the north side of the former landing strip off of 12th Road and west-northwest of B126 as shown in Figure 1-1. The Community Environmental Response Facilitation Act (CERFA) report for Fort Sheridan indicates that the building may have been used to store barrels and drums, some of which may have contained pesticides (ETC, 1994). B172 also was used historically to store ammunition.

In 1988, the Commission on Base Realignment and Closure (BRAC) recommended Fort Sheridan, Illinois for closure to the Secretary of Defense. To support decisions regarding preparation of the property for release, the Department of the Army has implemented environmental studies and will conduct restoration activities (if needed) before property transfer. The Army is conducting these activities under the Defense Environmental Restoration Program and the BRAC program. A remedial investigation/feasibility study (RI/FS) is currently being conducted for the Surplus Operable Unit (OU) at Fort Sheridan. The Surplus OU consists of property that has been declared excess by the Army and will be or has been transferred to the local communities. The B172 study area is located within the Surplus OU (see Figure 1-1). This Follow-On Investigation Report addresses only the aforementioned B172 study area.

1.1 Site History

Fort Sheridan is located approximately 25 miles north of Chicago along the western shore of Lake Michigan. The installation location is shown in Figure 1-1. Fort Sheridan, named for General Phil Sheridan, was established in 1887 in the wake of the Great Chicago fire of 1871 and at the request of Chicago city leaders following labor riots of 1886.

In the mid-1800s, prior to the Army's presence, the area of Fort Sheridan was the site of heavy industry including logging, a lumber mill, leather tanning, brick making, and iron casting. Historians have asserted that, due to its industrial past and lack of railroad access, the property may have represented more of a liability than an asset to the owners from a development perspective (Melichar, 1995).



Adapted from an aerial survey by Air Survey Corporation, Sterling, Virginia. Date of photography: 12/6/95.

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0 1100
feet

Figure 1-1

Fort Sheridan Operable Units and Building 172 Study Area Location

Draft Follow-On Investigation Report for the Building 172 Study Area of the Surplus Operable Unit
Fort Sheridan, Illinois

Nevertheless, land was donated to the government for a token fee of $10 by three members of the Commercial Club of Chicago: Adolphus Bartlett, Charles Hutchinson, and John Janes. Three ravines at Fort Sheridan are named for these individuals.

Troops trained at Fort Sheridan served in the Spanish-American War in 1898, the Mexican War in 1913, and World Wars I and II. Fort Sheridan was a training center for anti-aircraft artillery units during World War II. From the 1950s until 1974, Fort Sheridan served as maintenance and supply center to NIKE air-defense missile systems for the Chicago, Gary, Detroit, Minneapolis-St. Paul, and Milwaukee air-defense network.

Fort Sheridan was recommended for inclusion in the BRAC program in 1988. The installation ceased military operations as an Army facility in 1993. Portions of the installation were realigned to the U.S. Navy and U.S. Army Reserve. Approximately 100 acres are now owned by the U.S. Army Reserve and used for equipment storage and disbursement, training, and administrative functions. Approximately 200 acres are now owned by the Navy and are used for family housing, administration, vehicle maintenance, communications and training. Approximately 300 acres have been transferred to private ownership while the remainder of the installation (approximately 100 acres) is still under Army jurisdiction and will be transferred to private ownership upon completion of the environmental restoration activities.

Preliminary assessments of Fort Sheridan, conducted in 1982 and 1989, identified several areas on the installation affected by previous landfilling activities; storage and handling of petroleum, oils, and lubricants (POL), as well as other motor pool wastes; former coal storage areas (CSAs); and storage and handling of various chemicals [Gross *et al.*, 1982; Argonne National Laboratory (ANL), 1989]. The nature and duration of these activities at Fort Sheridan justified conducting an RI/FS to verify and quantify the nature and extent of associated chemical constituents in the environment, perform human health and environmental risk assessments, and evaluate remedial action alternatives leading to individual study area response actions, if necessary.

Fort Sheridan was divided into two principal OUs in 1995 to facilitate the implementation of the subsequent RI/FS and expedite the reuse of surplus Army property under the BRAC program. The first OU, designated the Surplus OU, consisted of property still owned by the U.S. Army and planned for disposal and reuse. This area occupies the north end of Fort Sheridan and is primarily composed of the golf course and historic district. The second OU is designated the Department of Defense (DoD) OU since this area remains the property of the Navy and Army Reserves. It includes most of the area to the south of Bartlett Ravine and the Army Reserve area in the northwest corner of Fort Sheridan. The boundaries of the two OUs are indicated in Figure 1-1.

1.2 Investigation Area

B172 is located along the north side of the former landing strip off of 12th Road and west-northwest of B126. The CERFA report for Fort Sheridan indicates that the building may have been used to store barrels and drums, some of which may have contained pesticides (ETC, 1994). B172 also was used historically to store ammunition.

B172 is proximal to Janes Ravine (see Figure 1-1). Janes Ravine runs east to west along the northern boundary of Fort Sheridan. The ravine itself is relatively undisturbed and does not contain obvious sources of potential contamination (e.g., filled areas). Storm water runoff from B172 and other study areas flows through the ravine.

2.0 Study Area Investigations and Results

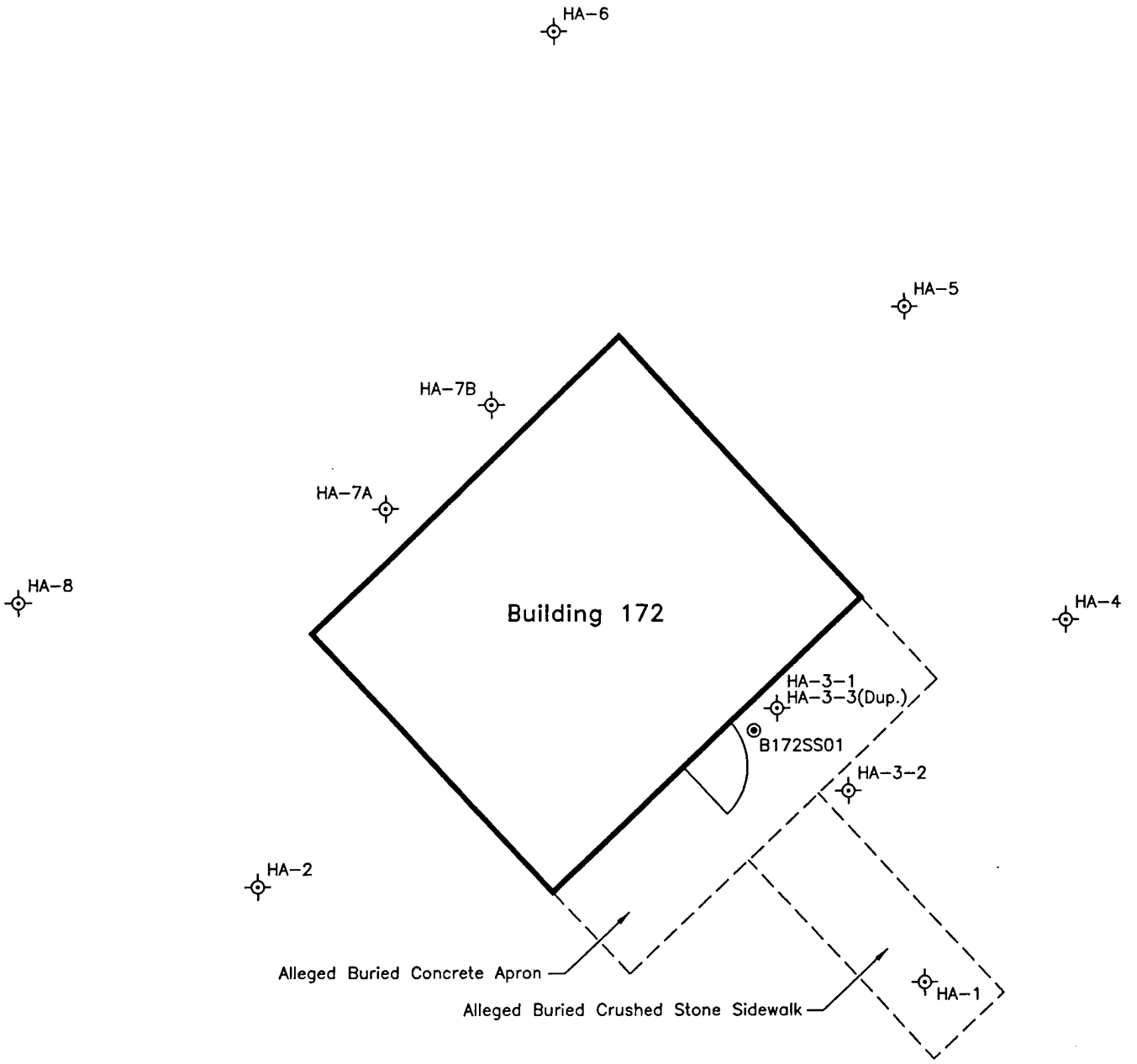
Three soil sampling investigations occurred at the B172 study area between October 1995 and May 1998. In addition, background soil samples were collected and analyzed to facilitate the development of a statistically defensible background database. These background samples were collected from several locations selected by the BRAC Cleanup Team (BCT) believed to be previously unaffected by Fort Sheridan mission-related activities [Environmental Science & Engineering, Inc. (ESE), 1997]. The following section presents the findings of the three sampling investigations conducted at the B172 study area.

2.1 Initial Investigation

During the initial soil sampling investigation at B172, one surface soil sample, B172SS01, was collected immediately outside the only door to B172 in 1995 (Figure 2-1). The sample was analyzed for the presence of pesticides/herbicides, polychlorinated biphenyls (PCBs), and explosives. These analytes were identified in the Final Sampling and Analysis Plan for the Surplus Operable Unit to be likely constituents of interest (COIs) for the B172 study area (ESE, 1995). The Installation Restoration Data Management Information System (IRDMIS) Level III analytical reports for this sample, as well as the final data validation report, are presented in the Final Sampling Results and Data Evaluation Report for Miscellaneous Surplus Operable Unit Study Areas (Miscellaneous Study Areas DER) (QST, 1997a).

PCBs detected above Overall Quality Assurance Project Plan (OQAPP) method detection limits (MDLs) are presented in Table 2-1. Pesticides/herbicides were not detected above their respective MDLs in the surface soil sample. A single PCB Arochlor (Arochlor-1248) was detected at a concentration of 15 milligrams per kilogram (mg/kg). In addition, 2,4,6-trinitrotoluene (a nitroaromatic) was detected at a concentration of 0.482 mg/kg. No other PCBs or explosive-related compounds were detected above MDLs in surface soil Sample B172SS01.

Because COIs were detected, the B172 study area was subjected to risk-based and ecological screening in the Miscellaneous Study Areas DER (QST, 1997a). The concentration of 15 mg/kg of PCB Arochlor-1248 exceeded the carcinogenic and non-carcinogenic risk-based screening values for this compound. Because only one sample was collected from the area where PCB Arochlor-1248 was detected, additional sampling and/or a removal action was recommended for the B172 study area in the Final Technical Memorandum (QST, 1997b).



Adapted from a Law Engineering and Environmental Services Drawing: 970556

◉ Previous Surface Soil Sampling Location
⊙ Previous Soil Boring Sampling Location

N

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feet

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Figure 2-1

Previous Building 172 Soil Sampling Locations

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Fort Sheridan, Illinois

Table 2-1. Summary of PCBs in B172 Study Area Soil and Asphalt Samples (mg/kg), Surplus Operable Unit, Fort Sheridan, Illnois

	SITE ID:	B172SS01	HA-1	HA-2		HA-3-1	HA-3-3*	HA-3-2	HA-4	HA-5	
	DATE:	10/30/95	1/22/98	1/22/98			1/22/98		1/22/98	1/22/98	
CONSTITUENT	DEPTH:	0'	0-0.5'	0-1.0'	1.0-2.0'	0-0.5'	0-0.5' Dup	1.5-2.0'	0-1.0'	0-1.0'	1.0-2.0'
Polychlorinated Biphenyls											
PCB-1016		< 0.013	< 0.0404	< 0.0413	< 0.0406	< 0.0433	< 0.0425 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398
PCB-1221		< 0.013	< 0.0404	< 0.0413	< 0.0406	< 0.0433	< 0.0425 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398
PCB-1232		< 0.013	< 0.0404	< 0.0413	< 0.0406	< 0.0433	< 0.0425 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398
PCB-1242		< 0.013	< 0.0404	< 0.0413	< 0.0406	< 0.0433	< 0.0425 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398
PCB-1248		15.0 C	< 0.0404	< 0.0413	< 0.0406	< 0.0433	< 0.0425 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398
PCB-1254		< 0.013	< 0.0404	< 0.0413	< 0.0406	0.400	0.434 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398
PCB-1260		< 0.013	<0.0404	< 0.0413	< 0.0406	< 0.0433	< 0.0425 D	< 0.0419	< 0.0402	< 0.0395	< 0.0398

Table 2-1. Summary of PCBs in B172 Study Area Soil and Asphalt Samples (mg/kg), Surplus Operable Unit, Fort Sheridan, Illnois

	SITE ID:	HA-6	HA-7**		HA-8	B172SB01	B172SB02		B172SB03			
	DATE:	1/22/98	1/22/98		1/22/98	5/14/98	5/14/98		5/14/98			
CONSTITUENT	DEPTH:	0-1.0'	0-1.0'	1.0-2.0'	0-1.0'	1.25'	0'	1.0'	0'	0' Dup	1.25'	1.25' Dup
Polychlorinated Biphenyls												
PCB-1016		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013 D	< 0.013	< 0.013 D
PCB-1221		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013 D	< 0.013	< 0.013 D
PCB-1232		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013 D	< 0.013	< 0.013 D
PCB-1242		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013 D	< 0.013	< 0.013 D
PCB-1248		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	0.40 C	< 0.013	0.50 C	0.262 DC	< 0.013	< 0.013 D
PCB-1254		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	0.34 C	< 0.013	0.22 C	0.19 DC	< 0.013	< 0.013 D
PCB-1260		< 0.0396	< 0.0426	< 0.0420	< 0.0403	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013 D	< 0.013	< 0.013 D

Table 2-1. Summary of PCBs in B172 Study Area Soil and Asphalt Samples (mg/kg), Surplus Operable Unit, Fort Sheridan, Illinois

	SITE ID:	B172SB04			B172SB05			B172SB06			B172AS01***
	DATE:	5/14/98			5/14/98			5/14/98			5/14/98
CONSTITUENT	DEPTH:	0'	0.5'	1.0'	0'	0.5'	1.0'	0'	0.5'	1.0'	0.5'
Polychlorinated Biphenyls											
PCB-1016		< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
PCB-1221		< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
PCB-1232		< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
PCB-1242		< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013
PCB-1248		< 0.013	< 0.013	< 0.013	0.0601 C	< 0.013	< 0.013	0.0282 C	0.0243 C	< 0.013	0.0238 C
PCB-1254		< 0.013	< 0.013	< 0.013	0.0614 C	< 0.013	< 0.013	0.0488 C	0.0587 C	< 0.013	0.0425 C
PCB-1260		< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013	< 0.013

Note: mg/kg = milligrams per kilogram

* = Site ID HA3-3 is a duplicate sample of Site ID HA3-1

** = Composite Sample Collected From HA-7A and HA-7B

*** = Asphalt Composite Sample

Dup = Duplicate

PCB = Polychlorinated Biphenyl

C = Analysis was Confirmed (IRDMIS Flag)

D = Duplicate Analysis (IRDMIS Flag)

QST, 1998

2.2 Limited Soil Investigation

In light of the Final Technical Memorandum determination, a limited soil investigation was performed on January 22, 1998 to further assess the nature and extent of PCBs in the soil (LAW, 1998). Twelve soil samples were collected from ten hand auger borings advanced in proximity to B172. The locations of the hand auger borings are depicted in Figure 2-1. At hand auger boring locations HA-1 through HA-8, a soil sample was collected from the surface to 1 foot below ground surface (ft-bgs) interval. At hand auger boring locations HA-2, HA-3-2, HA-5 and HA-7, a second soil sample was collected from the 1 to 2 ft-bgs interval. The samples collected from HA-7 were composites from the HA-7A and HA-7B sampling locations. Additionally, a blind duplicate soil sample, HA-3-3, was collected for quality assurance/quality control purposes. These 13 soil samples were analyzed for PCBs. The analytical reports are presented in the Report of Limited Soil Investigation, Building 172 (LAW, 1998).

PCBs detected above MDLs are presented in Table 2-1. The PCB Arochlor-1254 was detected above its MDL in two of the thirteen soil samples analyzed. No other PCBs were detected above their respective MDLs in the aforementioned soil samples. Arochlor-1254 was reported at concentrations of 0.400 mg/kg in primary Sample HA3-1 and 0.434 mg/kg in duplicate Sample HA3-3. Both of these soil samples were collected from the 0 to 0.5 ft-bgs interval in hand auger boring HA3 (see Figure 2-1). Sample location HA-3 is located within a few inches of the initial B172SS01 sampling location.

Based on the results of these sampling activities, it appeared that the horizontal extent of PCB-affected soils was limited to the soils in front of the southeast side of B172. During the limited soil investigation, the presence of a consolidated material underlying the soil in front of B172 was indicated. This material was characterized as a "concrete apron." Samples were collected at the ground surface and just above this "concrete apron."

2.3 Follow-On Investigation

Upon review of the results obtained from the limited soil investigation, the BRAC Environmental Office requested that additional sampling be conducted on the southeast side of B172 in order to more precisely define the vertical extent of PCBs in the soils proximal to the building. This follow-on investigation was conducted in May 1998.

2.3.1 Field Sampling Activities

Six soil borings were advanced in accordance with the Final Sampling and Analysis Plan for the Supplemental Investigation at B172 (B172SAP) (QST, 1998a) to collect soil samples for PCB analyses.

The locations of these soil borings are illustrated in Figure 2-2. Photographs of the follow-on field investigation activities are presented in Appendix A. The soil boring logs for B172SB01 through B172SB06 are presented in Appendix B.

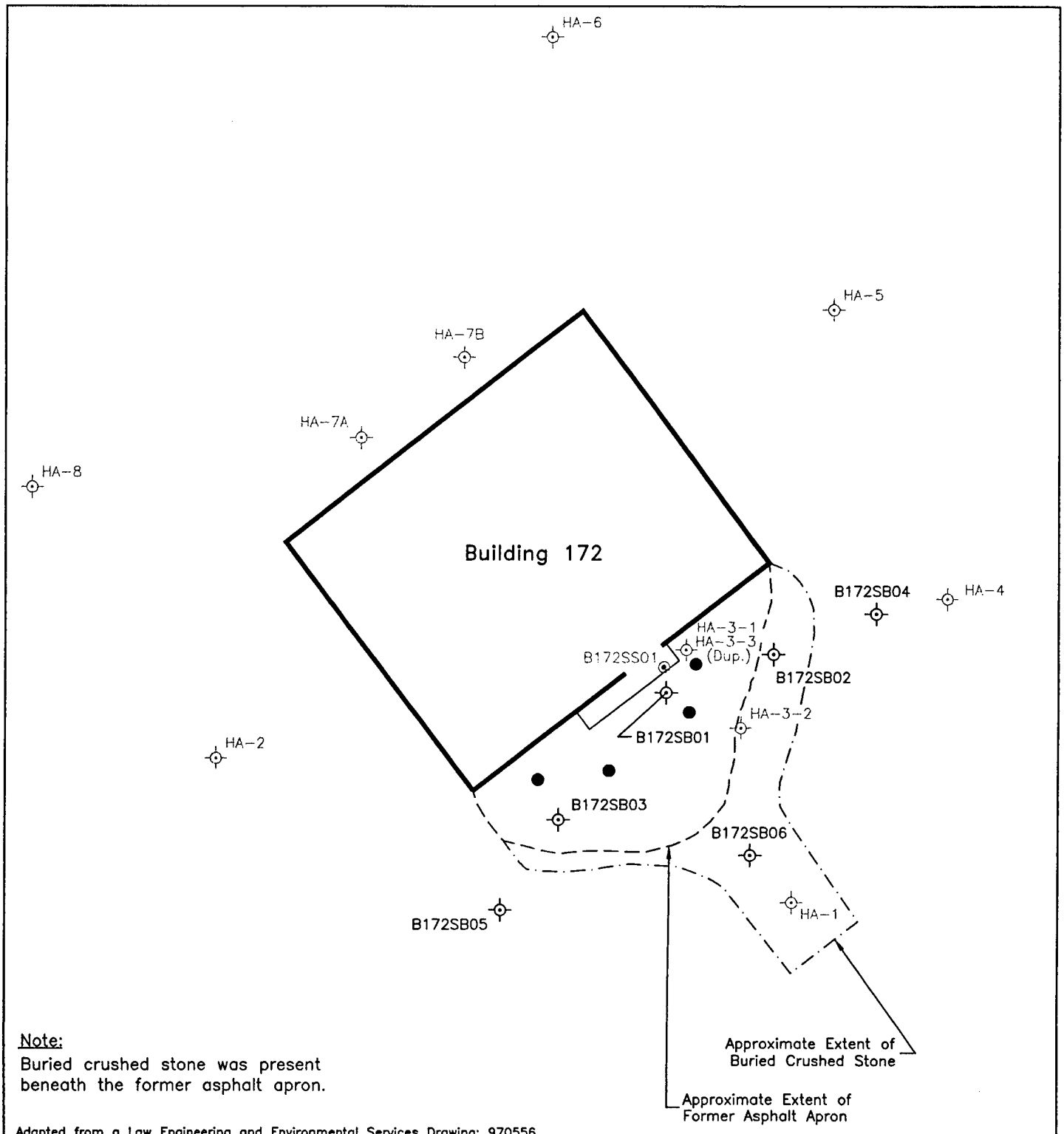
Soil borings B172SB01 and B172SB03 encountered clay loam to 0.5 ft-bgs followed by 0.25 feet of asphalt apron, a 0.5-foot thick cobble/gravel base, and then native silty clay to a depth of approximately 1.75 ft-bgs, the maximum depth of soil boring advancement. Soil borings B172SB02 and B172SB06 encountered clay loam to 0.5 ft-bgs followed by a 0.5-foot thick cobble/gravel interval, and then native silty clay to a depth of approximately 1.5 ft-bgs, the maximum depth of soil boring advancement. Soil borings B172SB04 and B172SB05 encountered clay loam/gravely clay to 1 ft-bgs before encountering native silty clay to a depth of approximately 1.5 ft-bgs, the maximum depth of soil boring advancement.

Surface and subsurface soil samples were collected from the aforementioned soil borings in accordance with the B172 Sampling and Analysis Plan (SAP). A total of five (plus one duplicate) surface soil samples (0') were collected from soil borings B172SB02 through B172SB06 for PCB analysis. In addition, a total of nine (plus one duplicate) subsurface soil samples (>0 ft-bgs) were collected from soil borings B172SB01 through B172SB03 (one sample per boring) and B172SB04 through B172SB06 (two samples per boring) for PCB analysis. The completion of the aforementioned soil borings and collection of the aforementioned soil samples was in accordance with the B172SAP, except as indicated below.

The collection of concrete surface chip samples could not be completed because it was found that the alleged "concrete apron" was, in fact, a 2- to 3-inch thick degraded asphalt with a 6-inch thick cobble/gravel base. An approximately 1-foot wide concrete step was uncovered just in front of the door to B172. The approximate horizontal extent/locations of the former asphalt apron, the cobble/gravel base, and the concrete step are illustrated in Figure 2-2. At the direction of BRAC personnel, one composite sample (B172AS01) consisting of four aliquots of the asphalt apron was collected for PCB analysis. To facilitate the collection of B172AS01, the surficial soils proximal to and from locations B172SB01 through B172SB03 in order to expose the asphalt apron. Because of the deteriorated condition of the asphalt apron, it was necessary to remove the apron with a bobcat bucket in order to collect subsurface soil samples beneath the apron at soil boring locations B172SB01 through B172SB03. The soil and asphalt investigation derived waste (IDW) was consolidated and containerized in 55 gallon drums at B912 subsequent to the completion of soil sampling activities.

2.3.2 Laboratory Analytical Results

As indicated in Section 2.3.1, a total of 14 surface and subsurface soil samples (plus two duplicates) and one asphalt composite sample were collected for PCB analysis. In addition, two rinse blank samples were collected from the soil sampling apparatus to evaluate the effectiveness of



Note:
Buried crushed stone was present beneath the former asphalt apron.

Adapted from a Law Engineering and Environmental Services Drawing: 970556

- Asphalt Aliquot Sample Location (B172AS01)
- Soil Boring Location
- Previous Soil Boring Location
- Previous Surface Soil Sampling Location

N

0 5
feet

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Figure 2-2

Building 172 Follow-On Soil and Asphalt Sampling Locations

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Fort Sheridan, Illinois

decontamination procedures and analyzed for PCBs. The IRDMIS Level III analytical reports for the B172 soil and asphalt samples are presented in Appendix C. A summary of the PCB analytical results for the soil and asphalt samples is presented in Table 2-1.

The PCBs Arochlor-1016, Arochlor-1221, Arochlor-1232, Arochlor-1242, and Arochlor-1260 were not detected above MDLs in any of the soil or asphalt samples collected from the B172 study area. The PCBs Arochlor-1248 and Arochlor-1254 were detected in several of the soil samples at concentrations as high as 0.500 mg/kg [highest at B172SB03(0')] and 0.340 mg/kg [highest at B172SB02(0')], respectively. In addition, the PCBs Arochlor-1248 and Arochlor-1254 were detected in the asphalt composite sample (B172AS01) at concentrations of 0.024 mg/kg and 0.042 mg/kg, respectively (see Table 2-1).

2.3.3 Data Evaluation/Nature and Extent

The distribution of PCBs at the B172 study area are depicted in Figure 2-3. As illustrated in Figure 2-3, Arochlor-1248 and Arochlor 1254 detected concentrations drop significantly (by a factor of four or more) just outside the former asphalt apron. At each soil boring location, the soil sample collected from the deepest depth (ranged from 1 to 1.25 ft-bgs) did not have any PCBs detected above MDLs. Thus, the detected PCBs are confined to the top 0.5 inches of soil. Therefore, these data indicate that the vertical and horizontal extent of PCBs in the soil at the B172 study area have been defined.

As previously indicated, the soils proximal to and from locations B172SB01 through B172SB03 were removed in order to expose the asphalt/gravel apron beneath it for sampling. The area where approximately six inches of soil was removed from on top of the asphalt/gravel apron is illustrated in Figure 2-4. Of the soil remaining in place at the B172 study area, the PCBs Arochlor-1248 and Arochlor-1254 were detected at maximum concentrations of 0.060 mg/kg [highest at B172SB05(0')] and 0.061 mg/kg [highest at B172SB05(0')], respectively.

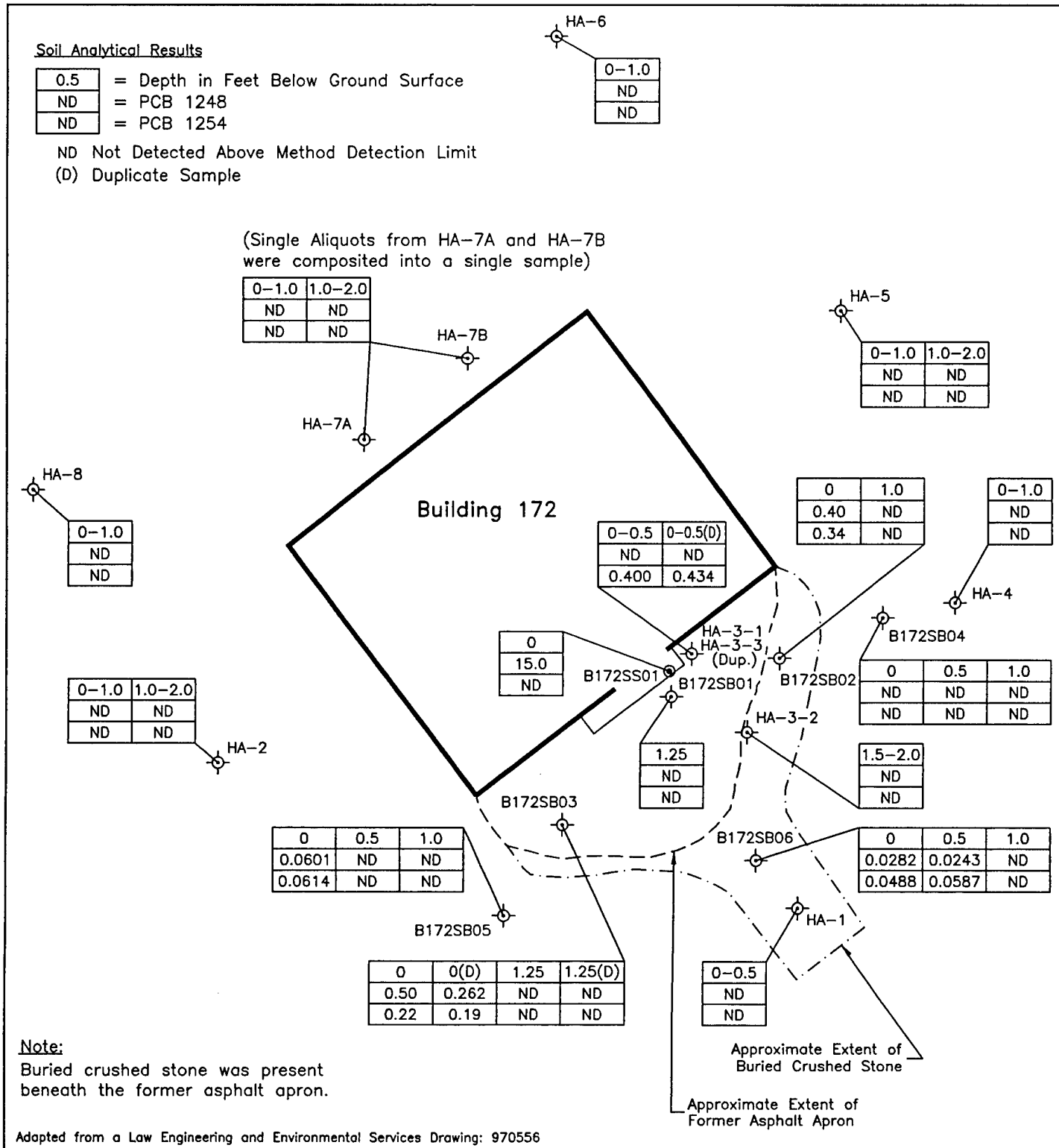

Figure 2-3

Building 172
Soil Analytical Results

Draft Follow-On Investigation Report for the Building 172 Study Area of the Surplus Operable Unit
Fort Sheridan, Illinois

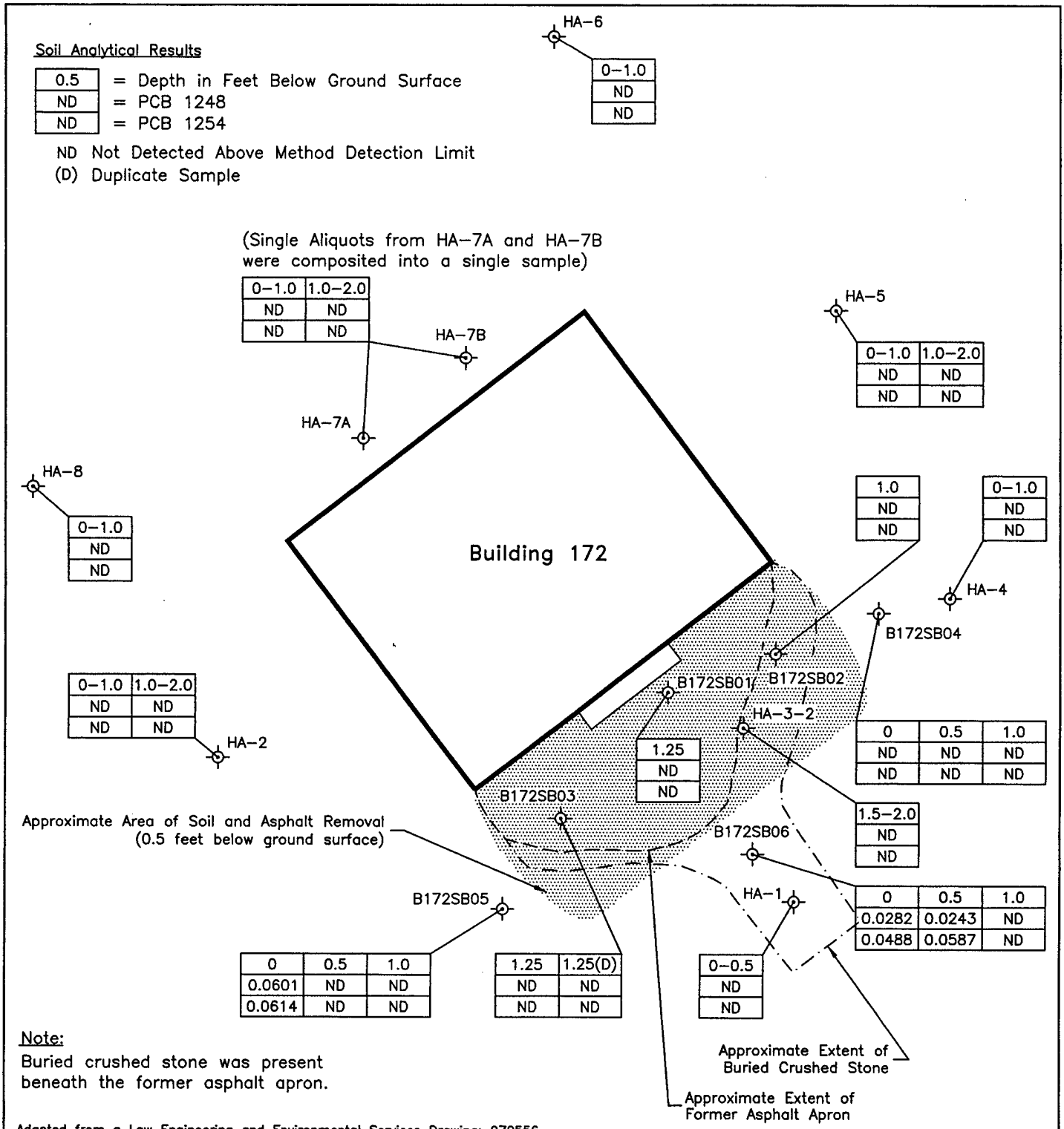

Figure 2-4
Area of Soil and Asphalt Removal at the Building 172 Study Area

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3.0 Summary of Site Risks

In order to characterize the potential current and future threats to human health and the environment posed by the COIs at the B172 study area, the study area was evaluated as part of the Miscellaneous Study Areas DER (QST 1997a) and Technical Memorandum (QST, 1997b).

The Miscellaneous DER evaluated the B172 study area to determine if constituents detected in the initial surface soil sample were present in concentrations that represented a potential for current or future residential health risks to humans or adverse effects on the environment. Because data from only one sample was evaluated in the Miscellaneous Study Areas DER (thus, the extent of the PCBs present was unknown), the Final Technical Memorandum recommended additional sampling and/or a removal action be conducted at this study area. This section presents the results of the Miscellaneous Study Areas DER and Technical Memorandum. A reevaluation of the study area in light of the PCB concentrations remaining is presented in Section 4.0..

3.1 Human Health Risk Summary

The Miscellaneous Study Areas DER employed a risk-based screening process to (1) identify those constituents that were present at concentrations exceeding residential risk-based screening levels and (2) determine the degree of potential risk posed by constituents present above the risk-based screening levels. This screening process involved multiple steps as outlined in the Final Revised Final Technical Evaluation Plan (TEP) (ESE, 1996). The concentration of the PCB Arochlor-1248 (15 mg/kg) detected in the single sample evaluated exceeded the residential risk-based screening level of 1.4 mg/kg. The cumulative carcinogenic relative risk value (RS_{ct}) for B172 was 2E-04 and the cumulative non-carcinogenic relative risk value (RS_{nt}) was 10. Both the RS_{ct} and RS_{nt} for the B172 study area exceeded the cumulative risk screening values of 1E-06 and HI of 1.0, respectively. The single constituent and associated risk-based screening value that contributed to both the RS_{ct} and RS_{nt} exceedences for B172 was PCB 1248 [U.S. Environmental Protection Agency (USEPA) Region IX Preliminary Remediation Goal].

The PCB concentration in the initial sample (15 mg/kg) was above the 10 mg/kg standard set forth in 40 Code of Federal Regulation (CFR) 761.125(c)(4)(v) for unrestricted use. The risk-based screening value used to calculate the 2E-04 carcinogenic relative risk value is based on a residential exposure, and B172 is part of the golf course. Given a reduced individual exposure under a recreational scenario, the estimated carcinogenic risks are likely to be less. However, USEPA indicates that for sites where the cumulative site risk to an individual is less than 1E-04, remedial action may be warranted if a chemical specific standard that defines acceptable risk is exceeded. Because only one sample was evaluated (thus, the extent of the PCBs present was unknown), the Final Technical Memorandum recommended additional sampling and/or a removal action.

3.2 Ecological Risk Summary

In accordance with the Final Revised Final TEP (ESE, 1996), a qualitative ecological screening was conducted at the B172 study area as part of the Miscellaneous Study Areas DER (QST, 1997a) to determine if the study area required further evaluation. The study area was evaluated for the presence of significant or sensitive biological receptors, or pathways to significant or sensitive biological receptors. The B172 study area is located adjacent to and has pathways to Janes Ravine, a natural area already identified to have significant and/or sensitive habitat and biological receptors.

Although proximal to Janes Ravine, the B172 study area does not have any significant ecological habitat. Janes Ravine was evaluated in the RI/Baseline Risk Assessment (BRA) for the Ravines and Beach Area Study Areas (QST, 1998b). Future intended land use is as part of the golf course. Although biological receptors may pass through now and in the future, significant exposure is not anticipated. Therefore, from an ecological standpoint, the B172 study area was determined in the Miscellaneous Study Areas DER to pose no significant risk to ecological receptors.

4.0 Risk Evaluation and Conclusions

As a result of the recommendation for additional sampling in the Final Technical memorandum, the limited soil and follow-on investigations discussed in Section 2.0 were performed to verify the presence of and delineate the extent of PCBs at the B172 study area. With this additional sampling, the horizontal and vertical extent of PCBs within soil at the B172 study area have been defined. As indicated in Section 2.0, the near surface soil above the asphalt apron, as well as the apron itself, were removed from the study area during the follow-on investigation field activities as IDW in order to facilitate asphalt and subsurface soil sampling. As indicated in Section 2.3.2, detectable concentrations of the PCBs Arochlor-1248 and Arochlor-1254 remain in the near surface soils of the B172 study area. Specifically, the maximum concentrations of the PCBs Arochlor-1248 and Arochlor-1254 remaining in soils at the B172 study area are 0.060 mg/kg and 0.061 mg/kg, respectively. Because these concentrations are more than a factor of 20 below the residential risk-based screening level of 1.4 mg/kg, no PCBs remain at the B172 study area at concentrations exceeding the residential risk-based screening levels. Therefore, from a human health perspective, the B172 study area can be surplused without further environmental evaluation or remediation. Because these remaining concentrations are three orders of magnitude lower than the initial concentration on which the determination of no adverse ecological effects in the Miscellaneous Study Areas DER was based, this determination remains unchanged.

The evaluation of potential risks considering residential use is overly conservative as existing site conditions (B172 is currently unused and the study area is part of the golf course), in combination with future use plans of the Lake County Forest Preserve District (LCFPD), make it highly unlikely that residential development would occur at the B172 study area. The legislation adopted in Section 125 of the Fiscal Year 1966 Military Construction Appropriations Act (P.L. 104-32) requires the Army to convey approximately 290 acres of open space, including the golf course to the LCFPD for use as open space. The B172 study area is located entirely within the 290 acres to be transferred to the LCFPD and, therefore, will be used as open space in the future.

Based on the above evaluation of potential risks, the Army, in coordination with USEPA and Illinois Environmental Protection Agency (IEPA), has determined that the constituents present at the B172 study area do not pose a sufficient risk to require a response action and has determined that no response action is necessary. Although low levels of PCBs will remain in the soil, they are present at levels that do not pose unacceptable human health or environmental risks.

No Response Action Decision for the Building 172 Study Area, Surplus Operable Unit Fort Sheridan, Illinois

Based on the findings of this *Building 172 Follow-On Investigation Report,* the Army has determined that no response action is necessary for the Building 172 study area of the Surplus OU, Fort Sheridan, Illinois. This determination is made in accordance with the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA), as amended by the Superfund Amendments and Reauthorization Act of 1986 (SARA), and the National Oil and Hazardous Substances Pollution Contingency Plan (NCP). Remedy selection for the other Surplus OU study areas have been or will be addressed under the following separate decision documents (DD):

- Final Miscellaneous Study Areas DER (QST, 1997a);
- Final Technical Memorandum (QST, 1997b);
- Final Decision Document for the Landfills 3 and 4 Operable Unit (QST, 1997c);
- Draft Decision Document for the Ravines and Beach Area Study Areas (QST, 1998c); and
- Decision Document for the LF2/SARN/38-Acre Parcel Fill Area (future submittal).

The information supporting this No Response Action decision is contained in the Administrative Record for the Surplus OU. The Administrative Record Index is located in Appendix D.

The risk-based screening determined that no unacceptable potential human health or ecological risks are associated with the B172 study area. Therefore, No Response Action is necessary at the B172 study area for the protection of human health and the environment under an unrestricted (residential) land use scenario. Although safe for unrestricted use, the existing site conditions (B172 is currently unused and the study area is part of the golf course), along with the mandated transfer of the property to the LCFPD in the legislation adopted in Section 125 of the Fiscal Year 1996 Military Construction Appropriations Act (P.L. 104-32), limits future use of this study area to open space.

Colleen Reilly
BRAC Environmental Coordinator, Fort Sheridan — Date: 9/28/98

Paul Lake
Remedial Project Manager, Illinois Environmental Protection Agency — Date: 9/28/98

Owen Thompson
Remedial Project Manager, U.S. Environmental Protection Agency — Date: 9/28/98

5.0 References

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QST Environmental Inc. (QST). 1997b. Final Technical Memorandum for Miscellaneous Surplus Operable Unit Study Areas, Fort Sheridan, Illinois. Prepared for U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland.

QST Environmental Inc. (QST). 1997c. Final Decision Document for Landfills 3 and 4 Operable Unit, Fort Sheridan, Illinois. Prepared for U.S. Army Environmental Center, Aberdeen Proving Ground, Maryland.

Appendix A

Field Photography Log Sheets

Field Photography Log Sheet

Site Location:
Fort Sheridan -
Building 172

Project Number:
490-2087

Date: 5-14-1998

Photo No.: 1

Orientation:
Looking NW

Weather : Sunny

Photographer: VEB

Comments:
Collecting surface soil sample at location B172SB02.

Site Location:
Fort Sheridan -
Building 172

Project Number:
490-2087

Date: 5-14-1998

Photo No.: 2

Orientation:
Looking NW

Weather: Sunny

Photographer: VEB

Comments:
Collecting subsurface soil sample at location B172SB04.

Field Photography Log Sheet

Site Location:
Fort Sheridan -
Building 172

Project Number:
490-2087

Date: 5-14-1998

Photo No.: 3

Orientation:
Looking N

Weather: Sunny

Photographer: VEB

Comments:
Scraping soil off of asphalt apron.

Site Location:
Fort Sheridan -
Building 172

Project Number:
490-2087

Date: 5-14-1998

Photo No.: 4

Orientation:
Looking NW

Weather: Sunny

Photographer: VEB

Comments:
Building 172 study area after site completion of investigation activities.

Appendix B

Soil Boring Logs

Log of Boring B172SB01

Fort Sheridan
Fort Sheridan, IL
Project Number: 490-2087

Client: *USAEC*	
Drilling Company: *QST Environmental Inc.*	
Drilling Rig: *none*	**Drilling Method:** *4" dia. hand auger*
Soil Sampling Device: *Grab*	**Borehole Diameter (in.):** *4*
Date Started: *5/14/98* **Date Completed:** *5/14/98*	**Total Depth Drilled (ft.):** *1.75*
Apparent Depth to Saturation While Drilling (ft. bgl): *NA*	**Ground Elevation (ft.):** *672.47*

Completion Information

Grout Interval (ft. bgl): 0-1.75	**Grout Type:** Soil Cuttings

NO WELL INSTALLED

Explanation & Comments

SI = Sample Interval
NA = Not Available

Fort Sheridan

Log of Boring B172SB01

Depth (feet bgl)	Blow Counts	Sample Recovery (%)	PID or FID (ppm) Values	PID or FID (ppm) Profile	Soil/Rock Description and Comments	USCS Classification	Lithologic Log	Borehole Completion	Elevation (ft.)
0									672.4
					Clay Loam dark brown, 10YR4/3, topsoil				
					Asphalt				
		NA			**Gravel** cobbles with few fine gravel, gray, 10YR6/1, moist to wet			*soil cuttings*	
	SI				**Silty Clay** stiff, brown, 10YR5/3, moist				
					End of Boring				
2									670.4

Log of Boring B172SB02

Fort Sheridan
Fort Sheridan, IL
Project Number: 490-2087

Client: *USAEC*	
Drilling Company: *QST Environmental Inc.*	
Drilling Rig: *none*	**Drilling Method:** *4" dia. hand auger*
Soil Sampling Device: *Grab*	**Borehole Diameter (in.):** *4*
Date Started: *5/14/98* **Date Completed:** *5/14/98*	**Total Depth Drilled (ft.):** *1.5*
Apparent Depth to Saturation While Drilling (ft. bgl): *NA*	**Ground Elevation (ft.):** *672.53*

Completion Information

Grout Interval (ft. bgl): 0-1.5	**Grout Type:** Soil Cuttings

NO WELL INSTALLED

Explanation & Comments

SI = Sample Interval
NA = Not Available

Fort Sheridan

Log of Boring B172SB02

Depth (feet bgl)	Blow Counts	Sample Recovery (%)	PID or FID (ppm) Values	PID or FID (ppm) Profile	Soil/Rock Description and Comments	USCS Classification	Lithologic Log	Borehole Completion	Elevation (ft.)
0									672.5
	SI	NA			**Clay Loam** dark brown, 10YR4/3, topsoil			soil cuttings	
					Gravel cobbles with few fine gravel, gray, 10YR6/1, moist to wet				
	SI				**Silty Clay** stiff, brown, 10YR5/3, moist				
					End of Boring				
2									670.5

Log of Boring B172SB03

Fort Sheridan
Fort Sheridan, IL
Project Number: 490-2087

Client: *USAEC*	
Drilling Company: *QST Environmental Inc.*	
Drilling Rig: *none*	**Drilling Method:** *4" dia. hand auger*
Soil Sampling Device: *Grab*	**Borehole Diameter (in.):** *4*
Date Started: *5/14/98* **Date Completed:** *5/14/98*	**Total Depth Drilled (ft.):** *1.75*
Apparent Depth to Saturation While Drilling (ft. bgl): *NA*	**Ground Elevation (ft.):** *672.59*

Completion Information

Grout Interval (ft. bgl): 0-1.75	**Grout Type:** Soil Cuttings

NO WELL INSTALLED

Explanation & Comments

SI = Sample Interval
NA = Not Available

Fort Sheridan

Log of Boring B172SB03

Depth (feet bgl)	Blow Counts	Sample Recovery (%)	PID or FID (ppm) Values	PID or FID (ppm) Profile	Soil/Rock Description and Comments	USCS Classification	Lithologic Log	Borehole Completion	Elevation (ft.)
0									672.5
	SI				**Clay Loam** dark brown, 10YR4/3, topsoil				
					Asphalt				
		NA			**Gravel** cobbles with few fine gravel, gray, 10YR6/1, moist to wet			soil cuttings	
	SI				**Silty Clay** stiff, brown, 10YR5/3, moist				
					End of Boring				
2									670.5

Log of Boring B172SB04

Fort Sheridan
Fort Sheridan, IL
Project Number: 490-2087

Client: *USAEC*	
Drilling Company: *QST Environmental Inc.*	
Drilling Rig: *none*	**Drilling Method:** *4" dia. hand auger*
Soil Sampling Device: *Grab*	**Borehole Diameter (in.):** *4*
Date Started: *5/14/98* **Date Completed:** *5/14/98*	**Total Depth Drilled (ft.):** *1.5*
Apparent Depth to Saturation While Drilling (ft. bgl): *NA*	**Ground Elevation (ft.):** *672.44*

Completion Information

Grout Interval (ft. bgl): 0-1.5	**Grout Type:** Soil Cuttings

NO WELL INSTALLED

Explanation & Comments

SI = Sample Interval
NA = Not Available

Fort Sheridan

Log of Boring B172SB04

Depth (feet bgl)	Blow Counts	Sample Recovery (%)	PID or FID (ppm) Values	PID or FID (ppm) Profile	Soil/Rock Description and Comments	USCS Classification	Lithologic Log	Borehole Completion	Elevation (ft.)
0									672.4
	SI				**Clay Loam** dark brown, 10YR4/3, topsoil				
	SI	NA			**Gravelly Clay** few cobbles and silt, brown, 10YR4/3, moist			soil cuttings	
	SI				**Silty Clay** stiff, brown, 10YR5/3, moist				
					End of Boring				
2									670.4

Log of Boring B172SB05

Fort Sheridan
Fort Sheridan, IL
Project Number: 490-2087

Client: *USAEC*	
Drilling Company: *QST Environmental Inc.*	
Drilling Rig: *none*	**Drilling Method:** *4" dia. hand auger*
Soil Sampling Device: *Grab*	**Borehole Diameter (in.):** *4*
Date Started: *5/14/98* **Date Completed:** *5/14/98*	**Total Depth Drilled (ft.):** *1.5*
Apparent Depth to Saturation While Drilling (ft. bgl): *NA*	**Ground Elevation (ft.):** *672.65*

Completion Information

Grout Interval (ft. bgl): 0-1.5	**Grout Type:** Soil Cuttings

NO WELL INSTALLED

Explanation & Comments

SI = Sample Interval
NA = Not Available

Fort Sheridan

Log of Boring B172SB05

Depth (feet bgl)	Blow Counts	Sample Recovery (%)	PID or FID (ppm) Values	PID or FID (ppm) Profile	Soil/Rock Description and Comments	USCS Classification	Lithologic Log	Borehole Completion	Elevation (ft.)
0									672.6
	SI				**Clay Loam** dark brown, 10YR4/3, topsoil				
	SI	NA						soil cuttings	
	SI				**Silty Clay** stiff, brown, 10YR5/3, moist				
					End of Boring				
2									670.6

Log of Boring B172SB06

Fort Sheridan
Fort Sheridan, IL
Project Number: 490-2087

Client: *USAEC*	
Drilling Company: *QST Environmental Inc.*	
Drilling Rig: *none*	**Drilling Method:** *4" dia. hand auger*
Soil Sampling Device: *Grab*	**Borehole Diameter (in.):** *4*
Date Started: *5/14/98* **Date Completed:** *5/14/98*	**Total Depth Drilled (ft.):** *1.5*
Apparent Depth to Saturation While Drilling (ft. bgl): *NA*	**Ground Elevation (ft.):** *672.69*

Completion Information

Grout Interval (ft. bgl): 0-1.5	**Grout Type:** Soil Cuttings

NO WELL INSTALLED

Explanation & Comments

SI = Sample Interval
NA = Not Available

Fort Sheridan

Log of Boring B172SB06

Depth (feet bgl)	Blow Counts	Sample Recovery (%)	PID or FID (ppm) Values	PID or FID (ppm) Profile	Soil/Rock Description and Comments	USCS Classification	Lithologic Log	Borehole Completion	Elevation (ft.)
0									672.6
	SI				**Clay Loam** dark brown, 10YR4/3, topsoil				
	SI	NA			**Gravel** cobbles with few fine gravel and clay, gray-brown, 10YR4/2, moist to wet			soil cuttings	
	SI				**Silty Clay** stiff, brown, 10YR5/3, moist				
					End of Boring				
2									670.6

Appendix C

IRDMIS Level III Analytical Data: Soil and Asphalt Samples

Final Documentation Appendix Report
Installation:Fort Sheridan, IL (SN)
File Type: CSO
Sampling Date Range: 01-JAN-1998 to 26-AUG-1998

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Concentration	Unit Meas.	Flag Codes	Data Quals	EPA Data Quals
BORE	B172SB01	TSP3S*79	1.25	14-MAY-1998	ES	TSP3S*79	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
	B172SB02	TSP3S*80	0.00	14-MAY-1998	ES	TSP3S*80	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254		.34	UGG	C		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248		.4	UGG	C		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*82	1.00	14-MAY-1998	ES	TSP3S*82	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
	B172SB03	TSP3S*83	0.00	14-MAY-1998	ES	TSP3S*83	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254		.22	UGG	C		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248		.5	UGG	C		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*85	1.25	14-MAY-1998	ES	TSP3S*85	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*95	0.00	14-MAY-1998	ES	TSP3S*95	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG	D		
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG	D		
								11097-69-1	PCB 1254		.19	UGG	CD		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG	D		
								12672-29-6	PCB 1248		.262	UGG	CD		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG	D		
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG	D		
		TSP3S*96	1.25	14-MAY-1998	ES	TSP3S*96	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG	D		
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG	D		

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Installation:Fort Sheridan, IL (SN)
File Type: CSO
Sampling Date Range: 01-JAN-1998 to 26-AUG-1998

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Concentration	Unit Meas.	Flag Codes	Data Quals	EPA Data Quals
BORE	B172SB03	TSP3S*96	1.25	14-MAY-1998	ES	TSP3S*96	PST1/S	11097-69-1	PCB 1254	LT	1.30 E -2	UGG	D		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG	D		
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG	D		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG	D		
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG	D		
	B172SB04	TSP3S*86	0.00	14-MAY-1998	ES	TSP3S*86	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*87	0.50	14-MAY-1998	ES	TSP3S*87	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*88	1.00	14-MAY-1998	ES	TSP3S*88	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
	B172SB05	TSP3S*89	0.00	14-MAY-1998	ES	TSP3S*89	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254		6.14 E -2	UGG	C		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248		6.01 E -2	UGG	C		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*90	0.50	14-MAY-1998	ES	TSP3S*90	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*91	1.00	14-MAY-1998	ES	TSP3S*91	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			

* - Analyte Description has been truncated. See Data Dictionary

Final Documentation Appendix Report
Installation:Fort Sheridan, IL (SN)
File Type: CSO
Sampling Date Range: 01-JAN-1998 to 26-AUG-1998

Site Type	Site ID	Field Sample No.	Depth	Sample Date	Lab	Lab Anly. No.	Meth/ Matrix	CAS No.	Analyte Description	Meas. Bool.	Concentration	Unit Meas.	Flag Codes	Data Quals	EPA Data Quals
BORE	B172SB05	TSP3S*91	1.00	14-MAY-1998	ES	TSP3S*91	PST1/S	12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
	B172SB06	TSP3S*92	0.00	14-MAY-1998	ES	TSP3S*92	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254		4.88 E -2	UGG	C		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248		2.82 E -2	UGG	C		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*93	0.50	14-MAY-1998	ES	TSP3S*93	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254		5.87 E -2	UGG	C		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248		2.43 E -2	UGG	C		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
		TSP3S*94	1.00	14-MAY-1998	ES	TSP3S*94	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254	LT	1.30 E -2	UGG			
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248	LT	1.30 E -2	UGG			
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			
COMP	B172AS01	TSP3S*78	0.50	14-MAY-1998	ES	TSP3S*78	PST1/S	1104-28-2	PCB 1221	LT	1.30 E -2	UGG			
								11096-82-5	PCB 1260	LT	1.30 E -2	UGG			
								11097-69-1	PCB 1254		4.25 E -2	UGG	C		
								11141-16-5	PCB 1232	LT	1.30 E -2	UGG			
								12672-29-6	PCB 1248		2.38 E -2	UGG	C		
								12674-11-2	PCB 1016	LT	1.30 E -2	UGG			
								53469-21-9	PCB 1242	LT	1.30 E -2	UGG			

** End of Report - 119 Records Found **

* - Analyte Description has been truncated. See Data Dictionary

Appendix D

Administrative Record Index

Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
1.001.1	1	Sanitary Landfill Closure, Fort Sheridan, Illinois	Greeley and Hansen	9/1/78	IL EPA
1.002	1	Final Design Analysis Sanitary Landfill Closure	Greeley and Hansen	2/1/80	US Army Corps of Engineers, Omaha
1.003	1	Feasibility Study to Determine the Use of On-site Soils for Landfill Cover Materials	Soil Testing Services, Inc.	6/2/80	Benson, Doug - Facilities Engineering, Fort Sheridan, IL
1.004	1	Letter-re: Lab Results of Landfill Samples near Wells Ravine Landfills 6 & 7	Young, R.A. - Young Environmental Services	4/11/81	Ketchik, J., Facilities Engineering
1.005	1,3,4,5	Installation Assessment of Fort Sheridan and Joilet Training Area, Illinois	Chemical Systems Laboratory	5/1/82	USATHAMA
1.006	1,3, 5	Historical Overview of the Nike Missile System	Environmental Science and Engineering	12/1/84	USATHAMA
1.007	1,3,4,5	Update of the Initial Installation Assessment of Fort Sheridan, Illinois	Environmental Science and Engineering	8/1/87	USATHAMA
1.009	1,3,4,5	Enhanced Preliminary Assessment Report: Fort Sheridan,	Argonne National Laboratories	10/1/89	USATHAMA
1.009.1.1	1,3,4,5	Installation Assessment Army Base Closure Program, Fort Sheridan, Lake County, Illinois	The Bionetics Corp.	4/1/90	US EPA
1.009.2	1	MOU Between Department of Army and Navy	Secretary of Army and Sec. of Navy	8/8/91	
1.009.3	1,3,4,5	Report of Findings for PCB Transformer Sampling Conducted at Fort Sheridan, Illinois	Environmental Science and Engineering	6/11/92	USATHAMA
1.011.2	2,3,5	Fort Sheridan Unexploded Ordnance Survey (50 Acre Parcel) Final Work Plan	IT Corporation	10/14/93	US AEC
1.011.5	3,4,5	Community Environmental Response Facilitation Act (CERFA) Report	The Earth Technology Corporation	4/1/94	US AEC
1.012.1	2,3,5	Fort Sheridan Unexploded Ordnance Survey, Final Technical Report	IT Corporation	7/1/94	US AEC
1.012.2	1	Letter-re: IEPA Requesting Dept. of Army to Sample Metal Water Tower (south end)	Nussbaum, S.D. - IL EPA	11/7/94	Reilly, C. - Fort Sheridan BEC
1.013	1	Letter-re: Concept Design Report for Closure Design of Landfills 6 & 7	Schafer, G.M. - US EPA	12/8/94	Reilly, C. - Fort Sheridan BEC
1.014	1,3,4,5	Industrial Radiation Historical Data Review, Survey No. 27-83-2859A-95, Fort Sheridan, Illinois, 15 January-30 March 1995	USACHPPM	1/15/95	FORSCOM
1.015.5	1	Memorandum-re: "Probable UXO" Area, April 1994 CERFA Report	Reilly, C. - Fort Sheridan BEC	4/20/95	US AEC
1.016	1	Exploratory Trenching Report Landfills 6 and 7 Fort Sheridan, Illinois	Environmental Science and Engineering	5/1/95	US Army Corps of Engineers, Louisville
1.017	1	Report of Sanitary Landfill Closure Site Inspection	Greeley and Hansen	6/19/80	Fort Sheridan
1.018	1	Risk Characterization of Landfill 7 Air Emissions (Volatiles)	US EPA	6/19/95	Reilly, C., - Fort Sheridan BEC
1.019	1	Letter-re: Proposed Sampling Plan for Surface Soils at Fort Sheridan Landfill 7	Ross, Jenny - USN, EFA Midwest	7/6/95	Reilly, C., - Fort Sheridan BEC
1.020	1	Letter-re: Landfill 7 Black Pipe (LF&BP) Sample Results	Lake, Paul T., - IEPA	9/26/95	Reilly, C., - Fort Sheridan BEC
2.001	2	Letter-re: Time Critical Ordnance and Explosive Waste (OEW) Removal Action at Fort Sheridan, IL	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy	8/2/94	Schafer, G.M. - US EPA
2.002	2	Letter-re: Time Critical Ordnance and Explosive Waste Removal Action at Fort Sheridan, IL	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy	8/2/94	Nussbaum, S.D. - IL EPA
2.003	2	Explosive Safety Submission for Ordnance Removal and Land Disposal of 38 Acre Parcel at Fort Sheridan, IL	US Army Corps of Engineers, St. Louis District	8/15/'94	US Army Corps of Engineers, Huntsville Division

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Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
2.004	2	Letter-re: Proposed Time Critical Removal Action for Ordnance & Explosive Waste at Fort Sheridan, IL	Nussbaum, S.D. - IL EPA	8/17/94	Balliett, A.L.-Chief, Environmental Management Division, Fort McCoy
2.005	2	Letter-re: Proposed Time-Critical Removal Action for Ordnance & Explosive Waste at Fort Sheridan, IL	Nussbaum, S.D. - IL EPA	8/17/94	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy
2.006	2	Letter-re: Draining of Pond to facilitate Time Critical Removal Action for OEW Survey	Nussbaum, S.D. - IL EPA	9/07/94	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy
2.007	2	Letter-re: Proposed Time-Critical Removal Action for Ordnance & Explosive Waste	Nussbaum, S.D. - IL EPA	9/26/94	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy
2.008	2	Proposed Time-Critical Removal Action for Ordnance & Explosive Waste	Nussbaum, S.D. - IL EPA	9/30/94	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy
2.009	2	Letter-re: Proposed Time-Critical Removal Action for Ordance and Explosive Waste	Schafer, Gary M. - US EPA	10/4/94	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy
2.010	2	Letter-re: Postponement of Time Critical Ordnance & Explosive Waste	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy	12/8/94	Schafer, G.M. - US EPA
2.011	2	Letter-re: Postponement of Time Critical Ordnance and Explosive Waste (OEW) Removal from Fort Sheridan	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy	12/8/94	Nussbaum, S.D. - IL EPA
2.013	2	Letter-re: Army's Position on Unexploded Ordnance (UXO)	Reilly, C. - Fort Sheridan BEC	7/5/95	Lake, Paul T. - IL EPA
2.014	2	Letter-re: Army Position on Unexploded Ordnance (UXO)	Lake, Paul T. - IL EPA	9/14/95	Reilly, C. - Fort Sheridan BEC
2.015	2, 5	Action Memorandum-re: Time Critical Ordnance and Explosives Removal, Former Firing Range, Fort Sheridan, IL	Harold K. Miller, Jr., Colonel, U.S. Army, Commanding Officer	3/12/96	
2.016	2,5	Ordnance and Explosive (OE) Site Operations - Addendum 001 to Fort Sheridan Work Plan	HFA (Human Factors Applications, Inc.)	3/18/96	US Army Corps of Engineers, Huntsville Division
2.016.5	3	On-Scene Coordinator Report. Time Critical Removal Action at Buildings 43 and 368, Fort Sheridan, Illinois	Diversified Technologies Corporation	10/8/96	Reilly, C. - Fort Sheridan BEC
2.017	2,5	Final Removal Report, Volume I & II, Ordnance & Explosives (OE) Interim Removal and Sampling Action , Fort Sheridan, Illinois (See separate report on shelf Volumes I & II)	Human Factors Applications, Inc. (HFA)	3/27/97	US Army Corps of Engineers, Huntsville Division
2.017.5	1	Fort Sheridan Landfills 6 & 7 Leachate Treatment Facility Design Analysis Report, Interim Remedial Action (includes	Environmental Science & Engineering	June, 199	U.S. Army Corps of Engineers, Louisville District
2.107.6	1	Landfills 6 & 7 Phase 1 Interim Remedial Action Leachate Treatment Facility Specifications	Environmental Science & Engineering	June, 199	U.S. Army Corps of Engineers, Louisville District
2.018	3	Engineering Evaluation/Cost Analysis, Coal Storage Area 3, B42, B43, B77 (see separate report on shelf)	LAW Engineering and Environmental Services, Inc.	Nov. 1997	US Army Corps of Engineers, Louisville District
2.018.1	1	Landfills 6 & 7 Phase I Interim Remedial Action Corrected Final Specifications	Environmental Science & Engineering	Feb, 1998	U.S. Army Corps of Engineers, Louisville District
2.018.2	1	Landfills 6 & 7 Phase 1 Interim Remedial Action Design Analysis Report, Corrected Final (includes drawings)	Environmental Science & Engineering	Feb, 1998	U.S. Army Corps of Engineers, Louisville District
2.019	3	Removal Action Work Plan, Fort Sheridan, IL. Coal Storage Area 3, B42, B43, B77 (see spearate report on shelf)	IT Corporation	April, 199	U.S. Army Corps of Engineers, Louisville District
3.002.2	1,3,4,5	Letter-re: Review of Technical Plan, Sampling and Analysis Plan, Quality Assurance Project Plan, and Health and Safety Plan for Fort Sheridan	Franz, W.D. - US EPA	2/7/90	Jackson, J. - USATHAMA
3.003	1,3,4,5	Letter-re: Comments on the Draft Technical Plan and the Draft Sampling Plan	Franz, W.D. - US EPA	4/4/90	Fendick, R., USATHAMA

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Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
3.005	1,3,4,5	Letter-re: Comments regarding the Analytical Methods in Technical Plan	Franz, W.D. - US EPA	4/13/90	Fendick, R., USATHAMA
3.007	1,3,4,5	Letter-re: Response to Comments	Franz, W.D. - US EPA	5/7/90	Fendick, R., USATHAMA
3.010	1,3,4,5	Final Health and Safety Plan, Fort Sheridan, IL	E.C. Jordan Co.	7/1/90	USATHAMA
3.011	1,3,4,5	Final Quality Assurance Program Plan, Fort Sheridan, IL	E.C. Jordan Co.	7/1/90	USATHAMA
3.013	1,3,4,5	Final Sampling and Analysis Plan, Fort Sheridan, IL	E.C. Jordan Co.	7/1/90	USATHAMA
3.014	1,3,5	Final Technical Plan, Fort Sheridan, IL	E.C. Jordan Co.	7/1/90	USATHAMA
3.015	1,3,4,5	Letter-re: Final Technical Plans	Torrisi, Salvatore P., Chief, USATHAMA	9/14/90	Denning, T. - IL EPA
3.015.1	1,3,4,5	Amendment to Final Technical and Sampling and Analysis Plan for Storage Area Investigations at Fort Sheridan, IL	Environmental Science and Engineering, Inc.	9/18/90	USATHAMA
3.015.5	1,3,4,5	Letter-re: Request from IL EPA for copies of the following: Sampling and Analysis Plan, Health and Safety Plan, Quality Assurance Program Plan, and Technical Plan for Fort Sheridan	Torrisi, Salvatore P., Chief, USATHAMA	10/25/90	Carter, Julia, IL EPA
3.016	1,3,4,5	Amendment to Final Technical and Sampling and Analysis Plans for Landfill Investigations, Fort Sheridan, IL	Environmental Science and Engineering, Inc.	11/2/90	USATHAMA
3.020	1,3,4,5	Letter-re: Review of Amendments to Final Technical and Sampling Analysis Plans for Fort Sheridan, IL	Carter, Julia E. - IL EPA	8/1/91	Fendick, R., USATHAMA
3.021.5	1,3,4,5	Addendum to Fort Sheridan Site Safety Plan-Part IIB, Field Employees, Unknown Chemical Exposure Prevention (UCEP)	Environmental Science and Engineering, Inc.	9/12/91	Fendick, R., USATHAMA
3.022	1,3,4,5	Letter-re: Responses to Comments on RI/FS Work Plans	Torrisi, S.P. - USASTHAMA	10/18/91	Carter, J. - IL EPA
3.024	1,3,4,5	Addendum to Final Quality Assurance Program Plan, Fort Sheridan Remedial Investigation/Feasibility Study, Fort Sheridan, IL	Environmental Science and Engineering, Inc.	10/23/91	USATHAMA
3.025	1,3,4,5	Addendum to Final Sampling and Analysis Plan Storage Area Investigations for Fort Sheridan Remedial Investigation/Feasibility Study, Fort Sheridan, IL	Environmental Science and Engineering, Inc.	10/23/91	USATHAMA
3.026	1,3,4,5	Letter-re: Sampling and Analysis Plan (SAP), QAPP, Work Plan, Health and Safety Plan and Community Relations Plan	Carter, J.E. - IL EPA	11/14/91	Fendick, R. - USATHAMA
3.027.5	1,3,4,5	Letter-re: Fort Sheridan Base Closure	Davis, S.K. - IL EPA	4/2/92	Torrisi, S. - USATHAMA
3.027.6	1,3,4,5	Letter-re: Responses to the IEPA Comments to the Fort Sheridan Remedial Investigation/Feasibility Study (RI/FS) Work Plans	US AEC	4/6/92	Carter, J., IL EPA
3.028	1,3,4,5	Draft Final Remedial Investigation (RI)/Risk Assessment (RA) Report Remedial Investigation/Feasibility Study Fort Sheridan IL (3 Volumes)	Environmental Science and Engineering, Inc.	6/1/92	USATHAMA
3.030	1,3,4,5	Letter-re: Comments on Draft Remedial Investigation/Risk Assessment	Torrisi, S.P. - USATHAMA	6/17/92	Choi, S.S., US EPA
3.031	1,3,4,5	Letter-re: Review and Comments of the Draft Final Remedial Investigation (RI) Report, including Risk Assessment (RA)	Carter, J.E. - IL EPA	7/27/92	Fendick, R., USATHAMA
3.033	1,3,4,5	Letter-re: Concerns and recommendations Based on the Draft Final Remedial Investigation(RI) Report and Risk Assessment/Feasibility Study (RA/FS)	Choi, S. - US EPA	10/6/92	Fendick, R., USATHAMA
3.035	1,3,4,5	Letter-re: Comments on Draft Remedial Investigation/Risk Assessment	Wooten, COL. R.G. - USA EC	10/7/92	Choi, S.S., US EPA

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Fort Sheridan
Draft Administrative Record
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DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
3.040	1,3,4,5	Responses to Regulatory Agency Comments Regarding Remedial Investigation/Risk Assessment Report	Wooten, COL. R.G. - USA EC	2/9/93	Nussbaum, S.D. - IL EPA
3.041.1	1,3,4,5	Letter-re: IL EPA Comments to Overall Quality Assurance Project Plan	Nussbaum, S.D. - IL EPA	8/15/93	Fendick, R. - US AEC
3.046	1,3,4,5	Letter-re: Review of Draft Final Overall Technical Plan, Sampling and Analysis Plan, Quality Assurance Project Plan, Remedial Investigation/Feasibility Study for Fort Sheridan, IL,	Ripley, L.J. - US EPA	11/4/93	Stokke, S., HQ Fort McCoy
3.049	1	Lake County Health Department Closed Landfill Inspection Report	Pergams, R.; D. DeBennette - Lake County Health Department	5/11/94	IL EPA
3.050.9.1	1	SSHASP-Soil, Groundwater, and Landfill Investigations at LF 6&7	Environmental Science and Engineering	7/1/94	USACE, Louisville District
3.053	1,3,4,5	Shallow Groundwater Resource Classification, Fort Sheridan, IL	Environmental Science and Engineering	10/25/94	USAEC
3.053.1.1	1	SSHASP-Landfill Leachate Sampling at Landfill 7	Environmental Science and Engineering	11/1/94	USACE-Louisville District
3.054	1,3,4,5	IL EPA comments Regarding Groundwater Classification	Nussbaum, S.D. - IL EPA	12/22/94	Reilly, C. - Fort Sheridan BEC
3.055	1,3,4,5	Letter-re: Questions Regarding IL EPA's Groundwater Classification Review Comments	Reilly, C. - Fort Sheridan BEC	1/26/95	Nussbaum, S.D. - IL EPA
3.056	1,3,4,5	Letter-re: Questions Regarding IL EPA Groundwater Classification Document Review Comments	Reilly, C. - Fort Sheridan BEC	2/27/95	Nussbaum, S.D. - IL EPA
3.057.1.1	1	Memorandum for Record: Landfill 6 & 7 Closure, Fort Sheridan	Reilly, C. - Fort Sheridan BEC	3/6/95	
3.057.2.2	1,3,4,5	Final Overall Quality Assurance Project Plan (QAPP) Remedial Investigation/Feasibility Study Fort Sheridan, Illinois (See separate report on shelf - 2 Volumes)	Environmental Science and Engineering	3/15/95	US Army Environmental Center
3.058	1	Storm Sewer Outfall Testing at Landfill #7, Fort Sheridan, IL	Ecology Services, Inc.	4/5/95	US Army Corps of Engineers
3.064	1	Well Abandonment Report Monitoring Wells LF7MW6S and LF7MW6D, Fort Sheridan, IL	Environmental Science and Engineering	5/10/95	US Army Corps of Engineers, Louisville District
3.068	3,5	Letter-re: Golf Course Sampling and Analysis Plan	Environmental Science and Engineering	6/5/95	Lechner, Dr. Charles-USAEC
3.068.3	1,3,4,5	Final Sampling and Analysis Plan for Background Sampling	Environmental Science and Engineering	5/26/95	Lechner, Dr. Charles-USAEC
3.069	1	Fort Sheridan Landfill 6 and 7 Project Information Report Submitted to North Shore Sanitary District	Environmental Science and Engineering	6/7/95	North Shore Sanitary District
3.071	1,3,4,5	Letter-re: Responses to Comments Regarding the SOP for Determination of ONOPs Using GC/NPD	McKinley, D.K. - Environmental Science and Engineering	6/14/95	Thompson, W.O. - US EPA
3.072	1,3,4,5	Groundwater Classification Document, Fort Sheridan, IL (See separate report on shelf - Volumes 1 & 2)	Environmental Science and Engineering	Feb. 1996	US AEC
3.073.1	1,3,4,5	Industrial Radiation Survey No. 27-MH-2859-R1-96 Facility Close-Out and Termination Survey, Fort Sheridan, Illinois. 17 August 95 - 30 May 96.	USACHPPM	Aug. 1996	Reilly, C. - Fort Sheridan BEC
3.073.2	3,4,5	Final Sampling and Analysis Plan for the Surplus Operable Unit-Fort Sheridan (See separate report on shelf)	Environmental Science and Engineering		Lechner, Dr. Chuck-USAEC
3.074	3,5	Sewer Cleaning and Testing Report - Eleven Building Locations at Fort Sheridan, Illinois	Ecology Services, Inc.	2/15/96	Reilly, C. - Fort Sheridan BEC
3.075	1,3,4,5	Radiological Assessment & Survey at Fort Sheridan	IL Dept. of Nuclear Safety	3/11/96	Lake, Paul T. - IL EPA
3.076	1,3,4,5	Final Data Validation Report - 10 Volume set	ECG, Inc.	4/12/96	
3.076.1	1,3,4,5	Memorandum-re: Final Data Usability Summary and Resampling Proposal for Fort Sheridan	Wojciechowski, LTC Paul E.	4/12/96	Reilly, C. - Fort Sheridan BEC
3.076.5	3,4,5	Letter-re: USEPA review and comments on: Data Validation Support, ECG, Inc. Surplus Operable Unit, Fort Sheridan,	Thompson, W. Owen - US EPA	9/23/96	Reilly, C. - Fort Sheridan BEC

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Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
3.077	3,4,5	Final Phase III Sampling and Analysis Plan for the Surplus Operable Unit-Fort Sheridan (See separate report on shelf)	Environmental Science and Engineering	10/4/96	Lechner, Dr. Chuck-USAEC
3.077.1	3,4, 5	Letter-re: Draft Phase I Data Usability Evaluation, Fort Sheridan, Illinois	Thompson, W. Owen - US EPA	10/28/96	Reilly, C. - Fort Sheridan BEC
3.077.2	3,4, 5	Letter-re: Draft Phase I Data Usability Evaluation, Fort Sheridan, Illinois	Environmental Science and Engineering	11/13/96	Thompson, W. Owen - US EPA
3.077.4	3,4	Final Revised Technical Evaluation Plan Fort Sheridan RI/FS	Environmental Science and Engineering	11/12/96	US AEC
3.077.5	1,3	Industrial Radiation Survey No. 27-MH-2859-R2-97, Nike Missile Facilities Close-Out and Termination Survey, Fort Sheridan, IL, 1 September 1995 - 24 May 1996	USACHPPM	12/2/96	Reilly, C. - Fort Sheridan BEC
3.078	1	Phase II-RI/FS DOD OU - Technical Plan - Volume 1 & 2	Science Applications International Corp.	1/97	Lechner, Dr. Chuck-USAEC
3.079	4	Video: Showing Remedial Investigation Field Work-Landfills 3 & 4 Activities	Environmental Science and Engineering	3/97	Reilly, C. - Fort Sheridan BEC
3.079.1	1,3,4	Letter-re: Industrial Radiation Close-Out and Termination Survey Report, Nike Missle Facilities	Thompson, W. Owen, USEPA	4/30/97	Reilly, C. - Fort Sheridan BEC
3.080	1,2,3,4,5	Final Background Sampling and Data Evaluation Report, Fort Sheridan	Environmental Science and Engineering	5/21/97	US AEC
3.080.1	1,3,5	Chemical Analytical Data (With NFG Qualifiers)Background Sampling Locations, Fort Sheridan	QST Environmental Inc.	1/30/98	US AEC
3.081	1,3,4,5	Final Data Validation Report #1 - 3 Volume set	ECG, Inc.	4/30/97	US AEC
3.082	1,3,4,5	Final Data Validation Report #2 - 3 Volume set	ECG, Inc.	5/19/97	US AEC
3.083	3,4,5	Final Data Validation Report #3 - 3 Volume set	ECG, Inc.	6/6/97	US AEC
3.084	1	Phase II RI/FS DoD OU - Technical Plan Addendum	Science Applications International Corp.	6/97	US AEC
3.084.5	3	Soil Sampling - PCB Analysis at Building 913-transformer pad, and at pole	Day, Paul, DTC	7/1/97	Reilly, C. - Fort Sheridan BEC
3.085	4	Letter-re: evaluation of available information for Landfills 3 & 4 OU	Reilly, C. - Fort Sheridan BEC	7/11/97	Lake, Paul - Illinois EPA & Thompson, Owen-USEPA
3.086	1,3,4	Final Remedial Investigation/Baseline Risk Assessment for Landfills 3 & 4 Operable Unit, 4-Volumes	QST Environmental Inc.	7/18/97	US AEC
3.086.1	4	Chemical Analytical Data (With NFG Qualifiers) Landfills 3 and 4 Operable Unit, Fort Sheridan	QST Environmental Inc.	1/30/98	US AEC
3.086.2	1,3	Chemical Analytical Data (With NFG Qualifiers) Asphaltic Baseline Sampling Locations, Fort Sheridan	QST Environmental Inc.	1/30/98	US AEC
3.087	3,4,5	Final Data Validation Report #4 - 3 Volume set	ECG, Inc.	7/21/97	US AEC
3.088	1,3	Letter-re: Industrial Radiation Close-Out and Termination Survey Report for the Nike Missile Facilities at Fort Sheridan	Lake, Paul T., Illinois EPA	7/31/97	Reilly, C. - Fort Sheridan BEC
3.090	3,4,5	Letter-re: Final Data Validation Report #4, Fort Sheridan Continuing Data Validation Support	Thompson, W. Owen, USEPA	9/8/97	Reilly, C. - Fort Sheridan BEC
3.090.1	3,5	Letter-re: Verification Sampling and Analysis -Surplus OU-Fort Sheridan, Illinois	Manikas, Christopher S., SAIC	9/8/97	Fileccia, Robert - USACE, Louisville District
3.091	3,4,5	Letter-re: Fort Sheridan Continuing Data Validation Support, Final Data Validation Report #2, and Final Data Validation	Thompson, W. Owen, USEPA	9/22/97	Reilly, C. - Fort Sheridan BEC
3.092	3,4,5	Letter-re: Fort Sheridan RI Data Validation Responses to Comments, August 7, 1997	Thompson, W. Owen, USEPA	10/21/97	Reilly, C. - Fort Sheridan BEC

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Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
3.093	3,5	Final Sampling Results and Data Evaluation Report for Miscellaneous Surplus Operable Unit Study Areas, Fort Sheridan, Illinois (3-Volumes)	QST Environmental Inc.	11/7/97	USAEC, Base Closure Division
3.093.1	3	Chemical Analytical Data (With NFG Qualifiers)Miscellaneous Study Areas	QST Environmental Inc.	1/30/98	US AEC
3.093.2	3,5	Chemical Analytical Data (With NFG Qualifiers) Surplus OU	QST Environmental Inc.	1/30/98	US AEC
3.094	3,5	Verification Sampling Results, Surplus Operable Unit, Fort Sheridan, Illinois	Science Applications International Corp.	Nov. 1997	USACE - Louisville District
3.094.1	1,3,5	Letter-re: Final VOC Data Usability, Surplus and DoD Operable Units, Ft. Sheridan	Reilly, C. - Fort Sheridan BEC	12/3/97	Lake, Paul - Illinois EPA & Thompson, Owen-USEPA
3.095	3	Letter-re: Reply to Responses to Comments on the "Draft Final Data Evaluation Report and Technical Memorandum for Miscellaneous Surplus OU Study Areas, Fort Sheridan, Illinois, Fort Sheridan BRAC Cleanup Team, November 7, 1997.	Thompson, W. Owen, USEPA	12/3/97	Reilly, C. - Fort Sheridan BEC
3.096	3	Letter-re: Response to Owen Thompson, USEPA letter dated December 3, 1997	Reilly, C. - Fort Sheridan BEC	12/9/97	Thompson, W. Owen, USEPA
3.097	3	MEMO FOR RECORD: Removal and Replacement of Leaking PCB Transformer PM427	Day, Paul, DTC	12/19/97	Reilly, C. - Fort Sheridan BEC
3.098	3	Final 38-Acre Parcel Fill Area, Sampling and Analysis Plan, Fort Sheridan, Illinois	QST Environmental Inc.	2/16/98	USAEC
3.099	3,5	Final Remedial Investigation/Baseline Risk Assessment for the Ravines and Beach Study Areas of the Surplus Operable Unit, Fort Sheridan, Illinois (3 volumes, see separate report on shelf)	QST Environmental, Inc.	4/13/98	U.S. Army Environmental Center
3.100	3	Final Sampling and Analysis Plan for the Supplemental Investigation at Building 172, Surplus Operable Unit, Fort Sheridan, Illinois	QST Environmental, Inc.	5/1/98	U.S. Army Environmental Center
3.11	3	Final Report of Limited Soil Investigation, Building 172 (see separate report on shelf)	LAW Engineering and Environmental	8/98	U.S. Army Corps of Engineers
4.003.1	1	Predesign Investigation Report Landfill 6 & 7	Environmental Science and Engineering	7/1/94	USACE - Louisville District
4.005	1	Concept Design Evaluation Closure Design Landfills 6 & 7, Fort Sheridan, IL	Environmental Science and Engineering	9/6/94	USACE - Louisville District
4.007.1	1	Concept Design Report, Closure Design, Landfills 6 & 7	Environmental Science and Engineering	10/3/94	USACE - Louisville District
4.009	1	Letter-re: Landfill 6 & 7 Storm Sewer Re-Route, Fort Sheridan	Reilly, C. - Fort Sheridan BEC	3/29/95	
4.010.1	1	Letter-re: Pre-Treatment Requirements for on-site treatment prior to discharge to POTW	Nussbaum, S.D. - IL EPA	3/8/95	Reilly, C., - Fort Sheridan BEC
4.012	1	Stormwater Calculation for Landfills 6 & 7, Fort Sheridan, IL	Environmental Science and Engineering	4/5/95	Fileccia, B. - US Army Corps of Engineers
4.013	1	Letter-re: Fort Sheridan Landfills 6 & 7; Stormwater Modifications	Ingram, W. - Environmental Science and Engineering	4/13/95	Schultz, M. - Navy Public Works Center
4.014.1.1	1	Gas Vent Liquids Sampling Landfill 7	Environmental Science and Engineering	5/1/95	USACE - Louisville District
4.014.1.2	1	Letter-re: Excavation of Landfill 6 & 7	Kuhn, Michael F., Lake County Health Dept.	7/13/95	Hopkins, Bill - Ft. Sheridan
4.015.1	1	Landfill 7 Cover Investigation Report	Environmental Science and Engineering	1/1/96	USACE - Louisville District
4.016	1	Letter-re: Comments New Storm Drain Alignments LF 6 & 7	Schulz, Mark - US Navy EFA	1/4/96	Reilly, C., - Fort Sheridan BEC
4.017	1	Letter-re: Comments on Landfills 6 & 7 Interim Draft Focused Feasibility Study (FS)	Kuhn, Michael F., Lake County Health Dept.	1/19/96	Reilly, C., - Fort Sheridan BEC

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Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
4.018	1	Memorandum-re: Responses to Comments on LF 6 & 7 Draft	Lee, MAJ. Arthur P. - USACHPPM	6/7/96	USACE - Louisville District
4.019	1	Landfills 6 & 7 Interim Action Final Focused Feasibility Study (See separate report on shelf)	Environmental Science and Engineering	7/2/96	USACE - Louisville District
4.020	1	Responses to Comments on LF 6 & 7 Draft Final Focused FS	Environmental Science and Engineering	7/10/96	USACE - Louisville District
5.002	1	Proposed Plan Landfills 6 & 7 Interim Action	US Army, Fort Sheridan, IL -BRAC	8/1/96	
5.003	1	Decision Document (DD) for Interim Source Control Action for Landfills 6 and 7 at Fort Sheridan, Illinois (See separate report on shelf)	Environmental Science and Engineering	4/22/97	USACE - Louisville District
5.003.1	1,3	Final Fort Sheridan Historic District Transfer Parcel Environmental Baseline Survey (EBS), Fort Sheridan Base Realignment and Closlure Surplus Property	Diversified Technologies Corp.	May, 199	Fort Sheridan BRAC Environmental Office
5.003.1.1	1,3	Chemical Analytical Data (With NFG Qualifiers) Fort Sheridan Historic District Transfer Parcel EBS May, 1997, Fort Sheridan	QST Environmental Inc.	1/30/98	US AEC
5.004	4	Final Proposed Remedial Action Plan Landfills 3 & 4 Operable Unit	QST Environmental Inc.	7/22/97	US AEC
5.005	4	Final Decision Document for Landfills 3 & 4 Operable Unit	QST Environmental Inc.	10/22/97	US AEC
5.006	3	Final Technical Memorandum for Miscellaneous Surplus OU Study Areas, Fort Sheridan, Illinois	BRAC Cleanup Team	11/7/97	File
5.007	3	Letter-re: Response to IEPA Comment on Fort Sheridan Historic District and Golf Course Transfer Parcels (November	Fort Sheridan BRAC Office	11/25/97	IL EPA
5.008	3	Action Memorandum Non-Time Critical Removal Action Coal Storage Area 3, Building 42, Building 43, and Building 77 Surplus Operable Unit, Fort Sheridan, Illinois	Higgins, Col. Roy L., U.S. Army	3/3/98	
5.009	3,5	Final Proposed Remedial Action Plan for the Ravines and Beach Area Study Areas of the Surplus Operable Unit, Fort Sheridan, Illinois (see shelf for separate report)	QST Environmental Inc.	6/10/98	USAEC
5.010	3,5	Final Decision Document for the Ravines and Beach Area Study Areas of the Surplus Operable Unit, Fort Sheridan, Illinois	QST Environmental Inc.	9/9/98	USAEC
6.004	1,3,4,5	Letter-re:Closure and Environmental Investigations of Fort Sheridan	Torrisi, S.P. - USATHAMA	2/1/90	Denning, T. - IL EPA
6.005.1	1,3,4,5	Letter-re: US Army - Fort Sheridan, IL -Superfund/Technical	Child, W.C. - IL EPA	4/16/92	Walker, L.D. - Department of the Army
6.006.1	1,3,4,5	Letter-re: Fort Sheridan, IL - Developing a Final Remedial Investigation/Feasibility Study (RI/FS)	Walker, L.D. - Department of the Army	5/29/92	Child, W.C. - IL EPA
6.007	1,3,4,5	Letter-re: Discussions Regarding Issues At Fort Sheridan	Davis, S.K. - IL EPA	5/12/93	Glass, COL. J.D. - US Army Corps of Engineers
6.008	1,3,4,5	Memorandum-re: Base Closure, Fort Sheridan, Observations of the Site Visit on 27 Apr 1993	Ripley, L.J. - US EPA	5/12/93	Fendick, R. - US AEC
6.009	1,3,4,5	Letter-re: Resolution of Problems at Fort Sheridan	Wooten, COL. R.G. - USAEC	5/20/93	Gade, M. - IL EPA
6.013	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Feb. 8-9, 1994	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy	2/16/94	Fort Sheridan BCT
6.014	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Feb. 17-18, 1994	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy	2/25/94	Fort Sheridan BCT
6.015	1,3,4,5	Letter-re: Minutes of Telephone Conversation on 18 Apr 1994, Re: OQAPP	Schafer, G.M. - US EPA	4/19/94	Nussbaum, S.D. - IL EPA

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Fort Sheridan
Draft Administrative Record
10/8/98

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6.018	1,3,4,5	Letter-re: BRAC Environmental Restoration Project at Fort Sheridan	Wojciechowski, LTC P.E. - USAEC	7/11/94	Ayers, T. - IL EPA
6.020	1,3,4,5	Endpoint for Agenda Items, Army-IEPA Fort Sheridan Meeting, August 18, 1994	Fendick, R. - USAEC	8/23/94	Nussbaum, S.D. - IL EPA
6.026	1,3,4,5	Letter-re: Comments to Minutes of Nov. 3, 1994, Conference Call Regarding Fort Sheridan OQAPP Comments	Nussbaum, S.D. - IL EPA	11/14/94	Lechner, C.A. - USAEC
6.028.1	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Dec. 5-6, 1994	Reilly, C. - Fort Sheridan BEC	12/5/94	BRAC Cleanup Team
6.029	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Jan. 18, 1995	Reilly, C. - Fort Sheridan BEC	1/30/95	BRAC Cleanup Team
6.030	1,3,4,5	Memorandum-re: Operable Unit Strategy, Fort Sheridan, IL	Fort Sheridan BCT	2/1/95	Fort Sheridan BCT
6.031	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Feb. 3, 1995	Lechner, C.A. - US AEC	2/3/95	Fort Sheridan BCT
6.032.1	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Mar. 1-2, 1995, Springfield, IL	Reilly, C. - Fort Sheridan BEC	3/1/95	Fort Sheridan BCT
6.035	1	Memorandum-re: Landfill 6 & 7 Storm Sewer Re-Route, Fort Sheridan	Reilly, C. - Fort Sheridan BEC	3/29/95	Fort Sheridan BCT
6.035.1	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Mar. 29, 1995	Reilly, C. - Fort Sheridan BEC	3/29/95	Fort Sheridan BCT
6.035.5	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Apr. 18, 1995	Reilly, C. - Fort Sheridan BEC	4/18/95	Fort Sheridan BCT
6.035.6	1	Letter-re: Possible Unexploded Ordnance (UXO) on U.S. Navy property at Fort Sheridan	Reilly, C. - Fort Sheridan BEC	4/20/95	Schultz, Mark-Navy Public Works
6.036	1,3,4,5	Summary of Meeting, Illinois EPA	Environmental Science and Engineering	4/29/95	
6.037.5	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - May 1617,	Reilly, C. - Fort Sheridan BEC	5/16/95	Fort Sheridan BCT
6.038	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - June 20-21,	Reilly, C. - Fort Sheridan BEC	6/20/95	Fort Sheridan BCT
6.039	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - July 18-19,	Reilly, C. - Fort Sheridan BEC	6/18/95	Fort Sheridan BCT
6.040	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Aug. 15-16,	Reilly, C. - Fort Sheridan BEC	8/15/95	Fort Sheridan BCT
6.041	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Aug. 15-16, 1995 (Revised)	Reilly, C. - Fort Sheridan BEC	10/10/95	Fort Sheridan BCT
6.043	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Oct. 24-25,	Reilly, C. - Fort Sheridan BEC	10/25/95	Fort Sheridan BCT
6.044	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Jan. 9, 1996	Reilly, C. - Fort Sheridan BEC	1/9/96	Fort Sheridan BCT
6.045	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Feb. 20-21,	Reilly, C. - Fort Sheridan BEC	2/20/96	Fort Sheridan BCT
6.046	1	Final Meeting Minutes Landfills 6 & 7 Focused FS	BRAC Office - Fort Sheridan	3/6/96	
6.047	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Mar. 19-20,	Reilly, C. - Fort Sheridan BEC	3/19/96	Fort Sheridan BCT
6.048	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - Apr. 23-24,	Reilly, C. - Fort Sheridan BEC	4/23/96	Fort Sheridan BCT
6.049	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - May 28-29,	Reilly, C. - Fort Sheridan BEC	5/28/96	Fort Sheridan BCT
6.050	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - June 18, 1996	Reilly, C. - Fort Sheridan BEC	6/18/96	Fort Sheridan BCT
6.050.1	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - July 24, 1996	Reilly, C. - Fort Sheridan BEC	6/24/96	Fort Sheridan BCT
6.050.2	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - August 22,	Reilly, C. - Fort Sheridan BEC	8/22/96	Fort Sheridan BCT
6.051	1,3,4,5	Memorandum-re: BRAC Cleanup Team (BCT) Meeting and Conference Call Regarding Background Sampling and Data Evaluation	Reilly, C. - Fort Sheridan BEC	8/28/96	Fort Sheridan BCT
6.052	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - September 25-26, 1996	Reilly, C. - Fort Sheridan BEC	9/25/96	Fort Sheridan BCT
6.053	1,3,4,5	BRAC Cleanup Team (BCT) Updated Meeting Minutes - October 23-24, 1996	Reilly, C. - Fort Sheridan BEC	10/23/96	Fort Sheridan BCT
6.054	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - November 20-21, 1996	Reilly, C. - Fort Sheridan BEC	11/20/96	Fort Sheridan BCT
6.055	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - December 18-19, 1996	Reilly, C. - Fort Sheridan BEC	12/18/96	Fort Sheridan BCT

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Fort Sheridan
Draft Administrative Record
10/8/98

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6.056	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - January 22-23, 1997	Reilly, C. - Fort Sheridan BEC	1/22/97	Fort Sheridan BCT
6.057	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - February 26-27, 1997	Reilly, C. - Fort Sheridan BEC	2/26/97	Fort Sheridan BCT
6.058	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - March 26-27, 1997	Reilly, C. - Fort Sheridan BEC	3/26/97	Fort Sheridan BCT
6.059	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - April 23-24,	Reilly, C. - Fort Sheridan BEC	4/23/97	Fort Sheridan BCT
6.060	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - May 28-29,	Reilly, C. - Fort Sheridan BEC	5/28/97	Fort Sheridan BCT
6.061	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - June 18-19,	Reilly, C. - Fort Sheridan BEC	6/19/97	Fort Sheridan BCT
6.062	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - July 23, 1997	Reilly, C. - Fort Sheridan BEC	7/23/97	Fort Sheridan BCT
6.063	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - August 27,	Reilly, C. - Fort Sheridan BEC	8/27/97	Fort Sheridan BCT
6.064	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - September 24, 1997	Reilly, C. - Fort Sheridan BEC	9/24/97	Fort Sheridan BCT
6.065	1,3,4,5	BRAC Cleanup Team (BCT) Meeting Minutes - October 22,	Reilly, C. - Fort Sheridan BEC	10/22/97	Fort Sheridan BCT
6.066	1,3,5	BRAC Cleanup Team (BCT) Meeting Minutes - Dec 5, 1997	Reilly, C. - Fort Sheridan BEC	12/5/97	Fort Sheridan BCT
6.067	1,3,5	BRAC Cleanup Team (BCT) Meeting Minutes - Feb 4, 1998	Reilly, C. - Fort Sheridan BEC	2/4/98	Fort Sheridan BCT
6.068	1,3,5	BRAC Cleanup Team (BCT) Meeting Minutes - March 24, 1998	Reilly, C. - Fort Sheridan BEC	3/24/98	Fort Sheridan BCT
6.069	1,3,5	BRAC Cleanup Team (BCT) Meeting Minutes - April 29, 1998	Reilly, C. - Fort Sheridan BEC	4/29/98	Fort Sheridan BCT
6.070	1,3,5	BRAC Cleanup Team (BCT) Meeting Minutes - May 28, 1998	Reilly,C - Fort Sheridan BEC	5/28/98	Fort Sheridan BCT
6.071	1,3,5	BRAC Cleanup Team (BCT) Meeting Minutes - June 25, 1998	Reilly,C - Fort Sheridan BEC	6/25/98	Fort Sheridan BCT
7.001	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Steadman, P.R. - IL EPA	2/7/77	US Army - Fort Sheridan
7.002	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Child, W.C. - IL EPA	3/16/77	Simpson, LTC US Army - Fort Sheridan
7.003	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Petrilli, J.F. - IL EPA	12/28/77	Simpson, LTC US Army - Fort Sheridan
7.004	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	IL EPA	2/28/78	US Army - Fort Sheridan
7.005	1	Letter-re: Inspection of Solid Waste Disposal Facility	Petrilli, J.F. - IL EPA	3/14/78	Simpson, LTC, US Army - Fort Sheridan
7.006	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Wengrow, R. - IL EPA	5/23/78	US Army - Fort Sheridan
7.007	1	Letter-re: Inspection of Solid Waste Disposal Facility	Bechley, K.P. - IL EPA	6/6/78	Simpson - LTC , US Army- Fort Sheridan
7.009	1	Inspection Report, Solid Waste Landfill ,Fort Sheridan	IL EPA	1/12/79	US Army - Fort Sheridan
7.010	1	Memorandum-re: Inspection of Fort Sheridan and Discussion of Permit and Closure Requirements	Bechley, K.P. - IL EPA	1/19/79	Division File
7.011	1	Letter-re: Inspection of Solid Waste Disposal Facility	Bechley, K.P. - IL EPA	1/30/79	Franklin, LTC W.H. Jr., US Army - Fort Sheridan, Director of Facilities Engineering
7.012	1	Letter-re: Violations Noted During Inspection of Sanitary Landfill	Franklin, LTC W.H. Jr., US Army - Fort Sheridan, Director of Facilities Engineering	2/28/79	Bechely, K.P., IL EPA
7.013	1	Application for Permit to Operate a Solid Waste Management Site - Wells Ravine Landfill	Director Facilities Engineering	4/479	IL EPA
7.014	1	Letter-re: Permit Application for Wells Ravine Landfill	Franklin, LTC W.H. Jr., US Army - Fort Sheridan, Director of Facilities Engineering	6/21/79	Smith, S.A., IL EPA
7.015	1	Letter-re: Permit Granted to US Army - Fort Sheridan to Develop a Solid Waste Disposal Site - Wells Ravine Landfill	Cavanagh, T.E. Jr. - IL EPA	9/4/79	Franklin, LTC W.H. Jr., US Army - Fort Sheridan, Director of Facilities Engineering
7.016	1	Letter-re: Development of Solid Waste Disposal Site	Cavanagh, T.E. Jr. - IL EPA	12/19/79	Director of Facilities Engineering
7.017	1	Lab Analysis Data from Inspection to Obtain Landfill Operating Permit	Ketchick, J. - Environmental Engineer	4/22/80	Ayers, T.G., IL EPA

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10/8/98

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7.018	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	JAS, IL EPA	6/11/80	Ketchik, J., US Army - Fort Sheridan
7.019	1	Letter-re: Permit for Wells Ravine Landfill Granted	Cavanagh, T.E. Jr. - IL EPA	6/26/80	Franklin, LTC W.H. Jr., US Army - Fort Sheridan, Director of Facilities Engineering
7.020	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	IL EPA	12/23/80	US Army - Fort Sheridan
7.021	1	Letter-re: Failure to Submit Groundwater Sampling Results for Landfill Monitoring Program	Piskin, R. - IL EPA	3/4/81	Gerdes, J., US Army - Fort Sheridan
7.023	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Shane, D. - IL EPA	5/26/81	US Army - Fort Sheridan
7.024	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Shane, D. - IL EPA	6/5/81	US Army - Fort Sheridan
7.025	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	IL EPA	7/20/81	US Army - Fort Sheridan
7.026	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	IL EPA	9/22/81	US Army - Fort Sheridan
7.027	1	Inspection Report, Solid Waste Landfill, Fort Sheridan	Evans, J. - IL EPA	11/6/81	Ketchik, J. - US Army - Fort Sheridan
7.028	1	Letter-re: Inspection of Landfill	Bechley, K.P. - IL EPA	12/30/81	Ketchik, J. - US Army - Fort Sheridan
7.029	1	Letter-re: Failure to Submit Groundwater Monitoring Results	Nechvatal, M.F. - IL EPA	5/28/82	Gerdes, J., US Army - Fort Sheridan
7.030	1	Inspection Report, Solid Waste Landfill Fort Sheridan	IL EPA	6/21/82	US Army - Fort Sheridan
7.031	1	Letter-re: Failure to Submit Groundwater Monitoring Results	Nechvatal, M.F. - IL EPA	8/24/83	Gerdes, J., US Army - Fort Sheridan
7.032	1	Letter-re: Failure to Submit Groundwater Monitoring Results	Haney, M.A., IL EPA	11/3/83	Gerdes, J., US Army - Fort Sheridan
7.033	1	Letter-re: Failure to Submit Groundwater Monitoring Results	Haney, M.A., IL EPA	2/7/84	Gerdes, J., US Army - Fort Sheridan
7.034	1	Letter-re: Non-Compliance of the Monitoring Program	Haney, M.A., IL EPA	9/19/84	Gerdes, J., US Army - Fort Sheridan
7.036	1	Letter-re: Finalization of Groundwater Monitoring Requirements for Fort Sheridan-Wells Ravine Landfill	Nechvatal, M.F. - IL EPA	3/5/85	Dean, LTC D.A., Director of Facilities Engineering
7.037	1	Letter-re: Initiation of Modification of Groundwater Monitoring System	Dean, LTC D.A. - Director of Engineering and Housing	4/3/85	Davis, S., IL EPA
7.038	1	Letter-re: Groundwater Sampling Using Leachate at Landfill	Brill, J.S., Director of Engineering and Housing, US Army Fort Sheridan	5/6/86	Haney, M., IL EPA
7.038.1	1	Quarterly Analysis Reports for Water Monitoring Program on Landfill Closure - April 1981 thru June 1986	Dougherty, LTC M.F. - DEH	4/81-6/86	Piskin, R., IL EPA
7.039	1	Inspection Report Solid Waste Landfill Fort Sheridan	Marvel, T.J. - IL EPA	4/14/88	US Army Fort Sheridan
7.040	1	Memorandum-re: Landfill Closure Certification Inspection for Wells Ravine Landfill	Marvel, T.J. - IL EPA	5/17/88	Savage, G., IL EPA
7.041	1,3,4,5	RCRA Inspection of Fort Sheridan	Boyle, J.M. - IL EPA	5/20/88	Talbot, D.L., LTC - Fort Sheridan
7.042	1	Letter-re: Response to Compliance Inquiry Letter Concerning Landfill	Talbott, LTC D.L. - DEH	6/21/88	Savage, G.D., IL EPA
7.043	1	Memorandum-re: Current Status of Monitoring Requirements for Landfill	Rogers, K. - IL EPA	12/8/88	Division File
7.044.1.1	1	Letter-re: Current Actions taken for Closure of Landfill 7	Reilly, C.-BEC, and Schultz, Mark - Navy PWC	11/28/95	Kallis, Chris - IL EPA
8.001.1	1	Memorandum-re: Status of Vinyl Chloride Assessment	Cogliano, James - USEPA	9/29/89	Den, Arnold - USEPA, Region 9
8.004.0.1	1	Letter-re: Report on Gas Vent Liquids Sampling Landfill 7	Schultz, Mark - U.S. Navy Public Works Center	3/31/95	Reilly, C. - Fort Sheridan BEC
8.004.0.2	1	Letter-re: Gas Vent Liquids Sampling Landfill 7	Reilly, C., Fort Sheridan BEC	4/25/95	Schulz, Mark - U.S. Navy Public Works
8.004.0.3	1	Letter-re: Landfill 7 Seep Repair	Rave, Peter A. - USACE	6/12/95	Saltzman, Rob - Ecology Services, Inc.
8.005.1	1	Final Report Outdoor Sampling Landfill 7	USACHPPM	7/1/95	
8.006	1	Addendum, Indoor Air Quality Study and Odor Investigation Landfill 7	USACHPPM	7/1/95	Reilly, C. - Fort Sheridan BEC

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Fort Sheridan
Draft Administrative Record
10/8/98

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8.007	1	Letter-re: Draft Indoor Air Quality Study and Odor Investigation Report	Reilly, C. - Fort Sheridan BEC	10/20/95	Schulz, Mark - U.S. Navy Public Works Center
8.008	1	Memorandum-re: Final Report Outdoor Sampling Landfill 7, July - August 1995	Lee, Maj. Arthur P.	4/30/96	Reilly, C. - Fort Sheridan BEC
9.002	1,3,4,5	Illinois List of Endangered and Threatened Vertebrate Species	Illinois Department of Conservation	1978	Administrative Order
10.014	3,4,5	Fort Sheridan Concept Plan - Overview	Johnson Johnson & Roy/Inc.	9/30/94	The Fort Sheridan Joint Planning Committee
10.015	1,3,4,5	Fact Sheet: Environmental Program, Fort Sheridan, Illinois	US AEC	1/6/95	Fort Sheridan Restoration Advisory Board
10.015.0.	1,3,4,5	Fact Sheet: Restoration Advisory Board	US Army Fort Sheridan BRAC Office	Jan. 1995	
10.016	1,3,4,5	Summary of the January 17, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	1/31/95	Fort Sheridan Restoration Advisory Board
10.017	3,4,5	Letter-re: Conceptual Land Use Plan Completion	Johnson, P.W. - Deputy Assistant Secretary of the Army	2/3/95	King, K., Joint Planning Committee Executive Administrator, Fort Sheridan
10.019	1,3,4,5	Summary of the February 21, 1995 Restoration Advisory Board meeting	Reilly, C. - Fort Sheridan BEC	3/13/95	Fort Sheridan Restoration Advisory Board Members
10.022	1,3,4,5	Summary of the March 28, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	4/11/95	Fort Sheridan Restoration Advisory Board Members
10.023	1,3,4,5	Summary of the April 18, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	5/5/95	Fort Sheridan Restoration Advisory Board Members
10.024	1,3,4,5	Summary of the May 16, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	6/6/95	Fort Sheridan Restoration Advisory Board Members
10.025	1,3,4,5	Summary of the June 20, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	7/6/95	Fort Sheridan Restoration Advisory Board Members
10.026	1,3,4,5	Summary of the July 18, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	8/2/95	Fort Sheridan Restoration Advisory Board Members
10.027	1,3,4,5	Revised Summary of the August 15, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	9/6/95	Fort Sheridan Restoration Advisory Board Members
10.028	1,3,4,5	Quarterly Newsletter: Environmental Update, Issue #1- Fort Sheridan	U.S. Army, Fort Sheridan	Fall, 1995	
10.029	1,3,4,5	Summary of the September 19, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	10/3/95	Fort Sheridan Restoration Advisory Board Members
10.030	1,3,4,5	Updated Final: Community Relations Plan (CRP) Fort Sheridan, Illinois (see shelf for report)	Dames & Moore, Inc.:(Updated by Fort Sheridan BRAC Office	10/1/95	USAEC
10.031	1,3,4,5	Summary of the October 24, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	11/10/95	Fort Sheridan Restoration Advisory Board Members
10.032	1,3,4,5	Newsletter: Environmental Update	PWC/EFA Environmental Office, Great Lakes	11/10/95	
10.033	1,3,4,5	Summary of the December 7, 1995 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	12/21/95	Fort Sheridan Restoration Advisory Board Members
10.034	1,3,4,5	Quarterly Newsletter: Environmental Update, Issue #2 - Fort Sheridan	U.S. Army, Fort Sheridan	Winter 1995	
10.035	1,3,4,5	Summary of the January 9, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	1/30'96	Fort Sheridan Restoration Advisory Board Members
10.036	1,3,4,5	Newsletter: Environmental Update	PWC/EFA Environmental Office, Great Lakes	2/1/96	

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Fort Sheridan
Draft Administrative Record
10/8/98

DOC NO	AR*	DOCUMENT TITLE	AUTHOR	DATE	RECIPIENT
10.037	2,5	Public Notice-Re: UXO Time Critical Removal Action	Garcia, Josephine	3/25/96	
10.038	2,5	Letter-re: Ordnance Removal at Fort Sheridan, IL	Reilly, C. - Fort Sheridan BEC	3/26/96	Local Residents
10.039	2,5	Fact Sheet: Ordnance Survey and Removal 38-Acre Former Firing Range	U.S. Army, Fort Sheridan	3/26/96	
10.040	1,3,4,5	Summary of the February 20, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	4/2/96	Fort Sheridan Restoration Advisory Board Members
10.041	1,3,4,5	Quarterly Newsletter: Environmental Update, Issue #3 - Fort Sheridan	U.S. Army, Fort Sheridan	Spring 1996	
10.042	1,3,4,5	Updated Summary of the March 19, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	4/9/96	Fort Sheridan Restoration Advisory Board Members
10.043	1,3,4,5	Summary of the April 23, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	5/16/96	Fort Sheridan Restoration Advisory Board Members
10.044	1,3,4,5	Summary of the May 28, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	6/10/96	Fort Sheridan Restoration Advisory Board Members
10.045	1	Fact Sheet: Excavation Alternative - Landfills 6 & 7 Interim Action	U.S. Army - Fort Sheridan	July 1996	
10.046	1	Letter-re: Copy of Focused Feasibility Study for Landfills 6 & 7	Reilly, C. - Fort Sheridan BEC	7/8/96	Rooney, M.- Highwood City Administrator; Limardi, D. - Highland Park City Manager; Kiely, R. - Lake Forest City Manager
10.047	1,3,4,5	Summary of the June 18, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	7/11/96	Fort Sheridan Restoration Advisory Board Members
10.048	1	Fact Sheet: Landfills 6 & 7 Cleanup Action	U.S. Army - Fort Sheridan	Aug. 96	
10.049	1	Public Notice-Re: Announcement of Proposed Plan/Comment Period for Landfills 6 & 7	U.S. Army, Fort Sheridan	8/7/96	
10.050	1	Oral Comments from Public Meeting-re: LF 6 & 7 Preferred Alternative Plan	Sonntag Reporting Service, Ltd.	8/21/96	
10.051	1,3,4,5	Summary of the July 24, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	9/4/96	Fort Sheridan Restoration Advisory Board Members
10.053	1	Public Comments on the Proposed Plan Landfills 6 and 7	U.S. Army, Fort Sheridan	9/7/96	
10.055	1,3,4,5	Summary of the September 25, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	10/15/96	Fort Sheridan Restoration Advisory Board Members
10.056	1,3,4,5	Summary of the October 23, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	11/11/96	Fort Sheridan Restoration Advisory Board Members
10.057	1,3,4,5	Quarterly Newsletter: Environmental Update, Issue #4 - Fort Sheridan	U.S. Army, Fort Sheridan	Nov. 1996	
10.058	1,3,4,5	Summary of the November 20, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	12/9/96	Fort Sheridan Restoration Advisory Board Members
10.059	1,3,4,5	Summary of the December 18, 1996 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	1/8/97	Fort Sheridan Restoration Advisory Board Members
10.060	1,3,4,5	Summary of the January 22, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	2/5/97	Fort Sheridan Restoration Advisory Board Members
10.061	1,3,4,5	Summary of the February 26, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	3/17/97	Fort Sheridan Restoration Advisory Board Members
10.061.5	1,3,4,5	Quarterly Newsletter: Environmental Update, Issue #5 - Fort Sheridan	U.S. Army, Fort Sheridan	Mar. 1997	

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Fort Sheridan
Draft Administrative Record
10/8/98

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10.062	1,3,4,5	Summary of the March 26, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	4/11/97	Fort Sheridan Restoration Advisory Board Members
10.063	1,3,4,5	Summary of the April 23, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	5/21/97	Fort Sheridan Restoration Advisory Board Members
10.064	1,3,4,5	Summary of the May 28, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	7/9/97	Fort Sheridan Restoration Advisory Board Members
10.065	4	Public Notice-Re: Announcement of Landfill 3 & 4 Proposed	U.S. Army, Fort Sheridan	7/21/97	
10.066	1	Public Notice-Re: Cleanup Decision for Fort Sheridan Landfills 6 & 7	U.S. Army, Fort Sheridan	8/18/97	
10.067	1	Fact Sheet: Cleanup Action at Landfills 6 & 7 Initial Construction Activities	U.S. Army, Fort Sheridan	Aug. 1997	
10.068	1,3,4,5	Summary of the July 23, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	8/18/97	Fort Sheridan Restoration Advisory Board Members
10.069	1,3,4,5	Quarterly Newsletter: Environmental Update, Issue #6 - Fort Sheridan	U.S. Army, Fort Sheridan	Sept. 1997	
10.070	1,3,4,5	Summary of the August 27, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	9/15/97	Fort Sheridan Restoration Advisory Board Members
10.071	1,3,5	Summary of the September 24, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	10/15/97	Fort Sheridan Restoration Advisory Board Members
10.072	4	Public Notice-Re: Cleanup Decision for Fort Sheridan Landfills 3 & 4	U.S. Army, Fort Sheridan	11/10/97	
10.073	3	Fact Sheet: Former Coal Storage Area and Blacksmith's Shop Proposed Cleanup Actions	U.S. Army, Fort Sheridan	Nov. 1997	
10.074	3	Summary of the October 22, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	11/19/97	Fort Sheridan Restoration Advisory Board Members
10.075	3	Public Notice-Re: Cleanup Proposal for Former Coal Storage Area and Blacksmith's Shop	U.S. Army, Fort Sheridan	11/26/97	
10.076	3,5	Summary of the December 4, 1997 Restoration Advisory Board Meeting	Reilly, C. - Fort Sheridan BEC	1/12/98	Fort Sheridan Restoration Advisory Board Members
10.077	3,5	Summary of the February 4, 1998 Restoration Advisory Board Meeting	Reilly, C.- Fort Sheridan BEC	3/4/98	Fort Sheridan Restoration Advisory Board Members
10.078	1,3,5	Summary of the March 24, 1998 Restoration Advisory Board Meeting	Reilly, C.- Fort Sheridan BEC	5/28/98	Fort Sheridan Restoration Advisory Board Members
10.078.1	1,3,5	Summary of the May 28, 1998 Restoration Advisory Board Meeting	Reilly, C.- Fort Sheridan BEC	6/10/98	Fort Sheridan Restoration Advisory Board Members
10.079	3,5	Public Notice- RE: Army Proposes No Cleanup Required for Fort Sheridan Ravines and Beach Area Study Areas	U.S. Army, Fort Sheridan	6/11/98	
10.080	1,3,5	Summary of the June 17, 1998 Restoration Advisory Board Meeting	Reilly, C.- Fort Sheridan BEC	7/14/98	Fort Sheridan Restoration Advisory Board Members
10.081	1,3,5	Summary of the July 21, 1998 Restoration Advisory Board Meeting	Reilly, C.- Fort Sheridan BEC	9/9/98	Fort Sheridan Restoration Advisory Board Members
11.001	1,3,4,5	Guidance for Conducting Remedial Investigations and Feasibility Studies Under CERCLA (Interim Final)	Office of Emergency and Remedial Response, US EPA	10/1/88	

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Fort Sheridan
Draft Administrative Record
10/8/98

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11.002	1,3,4,5	Guidance on Preparing Superfund Decision Documents: The Proposed Plan, The Record of Decision, Explanation of Significant Differences, The Record of Decision Amendment (Interim Final)	Office of Emergency and Remedial Response, US EPA	7/89	
11.003	1,3,4,5	Influence of Casing Materials on Trace-Level chemical in Well Water	Parker, L.V.; A.D. Hewitt; T.F. Jenkins	Spring 1990	
11.006	1,3,4,5	CERCLA Site Discharges to POTWs-Guidance Manual	US EPA	Aug.1990	
11.007	1,3,4,5	Technical Policy #14: Soil Volatile Sampling Procedures	Davis, S.; Otto, S.; Reside, G.; Rowe, G.T.; Tin, A.; -IL EPA	12/17/90	Fendick, R., USATHAMA
11.009	1,3,4,5	Guide to Developing Superfund No Action, Interim Action, and Contingency Remedy RODs	US EPA	April 1991	
11.010	1,3,4,5	Executive Order12580, Superfund Implementation	Office of the President	10/22/91	
11.012	1,3,4,5	Superfund Information Repositories and Administrative Records	US EPA	Aug. 1992	
11.013	1,3,4,5	Guidance for Establishing the Basis for Cleanup Objectives	IL EPA	Dec. 1992	
11.014	1,3,4,5	Certification of Adopted Amendments	Illinois Dept. of Public Health	2/1/93	
11.015	1,3,4,5	Administrative Procedure #26 - Procedure for Determination of a Class II Groundwater	Liss, K.; Young, H.; - IL EPA	3/24/93	
11.016	1,3,4,5	Soil Volatile Sampling Procedures	IL EPA	4/15/93	
11.016.1	1	Presumptive Remedy for CERCLA Municipal Landfill Sites	US EPA	Sept. 1993	
11.018	1,3,4,5	Region IX Preliminary Remediation Goals (PRGs) First Half of 1994	US EPA	2/1/94	US AEC
11.019	3,4,5	Memorandum-re: Military Base Closures, Guidance on EPA Concurrence in the Identification of Uncontaminated Parcels under CERCLA Section 120 (h) (4)	Laws, E.P.; - US EPA	4/19/94	
11.020	1,3,4,5	Administrative Procedure #11-Monitor Well Design Criteria	US EPA	12/14/93	
11.021	1,3,5	Memorandum-re: Revised Interim Soil Lead Guidance for CERCLA Sites and RCRA Corrective Action Facilities	Laws, E.P. - US EPA	7/14/94	US EPA - Regional Administrators I-X
11.023	1,3,4,5	Soil Remediation Methodology Objectives	IL EPA	11/14/94	
11.024	1,3,4,5	Letter-re: Illinois Register reflecting promulgated Changes to 35 Illinois Administrative Code (IAC) 620 Regulations	Nussbaum, S.D. - IL EPA	11/23/94	Balliett, A.L. - Chief, Environmental Management Division, Fort McCoy
11.025	1	Application of the CERCLA Municipal Landfill Presumptive Remedy to Military Landfills (Interim Guidance)	US EPA	Apr. 1996	
Please Note: Guidance documents, statutes, and regulations listed as bibliographic sources might not be listed separately in the index.					
These documents are publicly available through IEPA, USEPA and/or public libraries.					
Publicly available technical literature listed as bibliographic sources might not be listed separately in the index.					

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